SONY

KV-21XMxx

MODEL

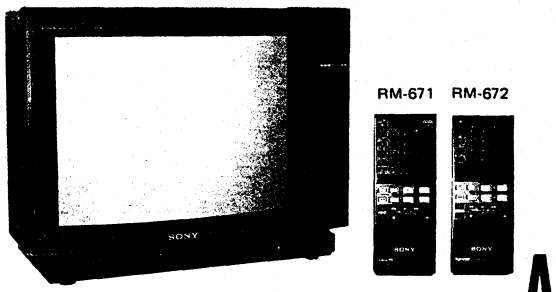
SERVICE MANUAL

KV-21XMTA/KV-21XMC/21XMTC

RM-672 RM-671 RM-672

AEP Model

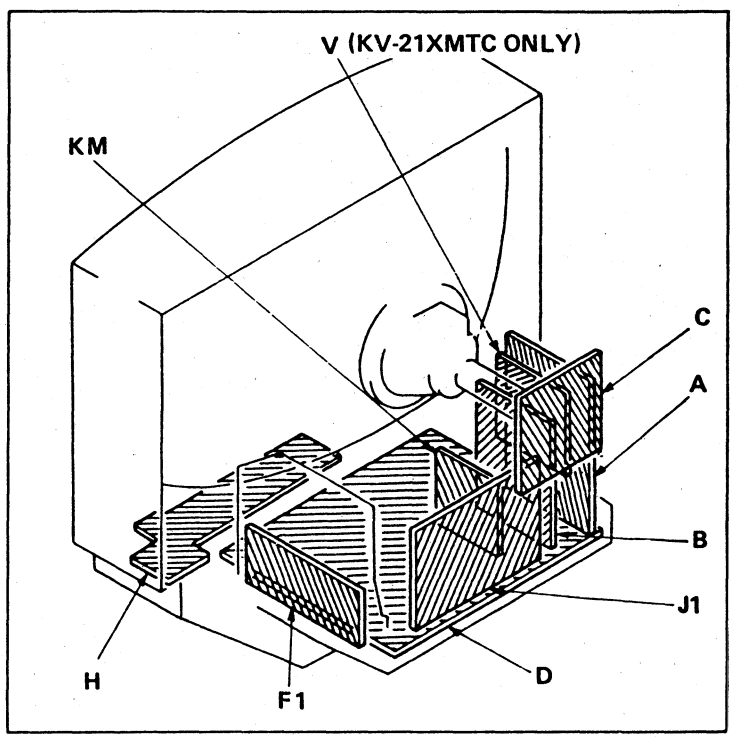
KV-21XMC:
Chassis No. SCC-B14E-A
KV-21XMTC:
Chassis No. SCC-B14F-A



AE-1 CHASSIS

MODELS OF THE SAME SERIES	
KV-21XMC/21XMTC	

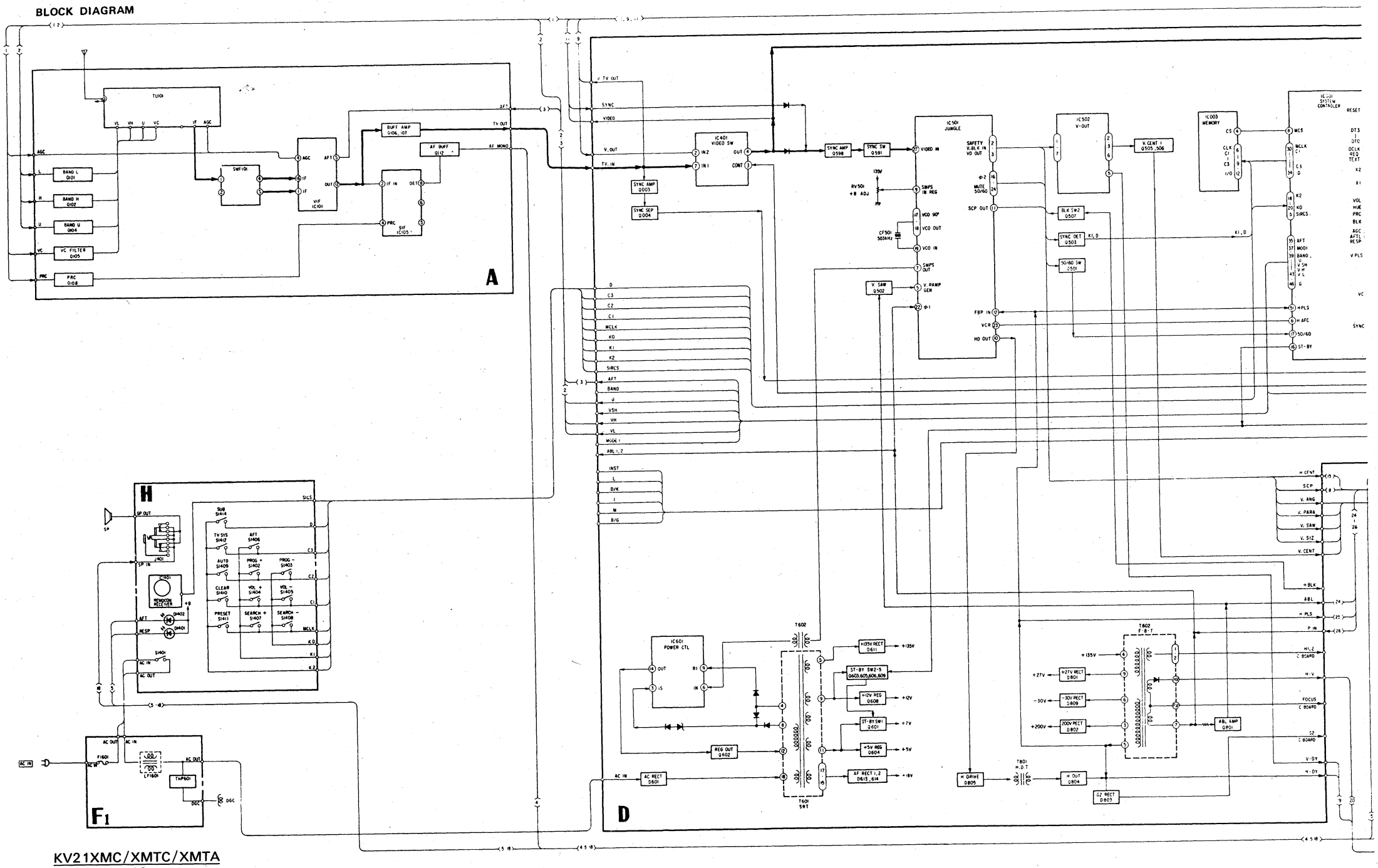
CIRCUIT BOARDS LOCATION

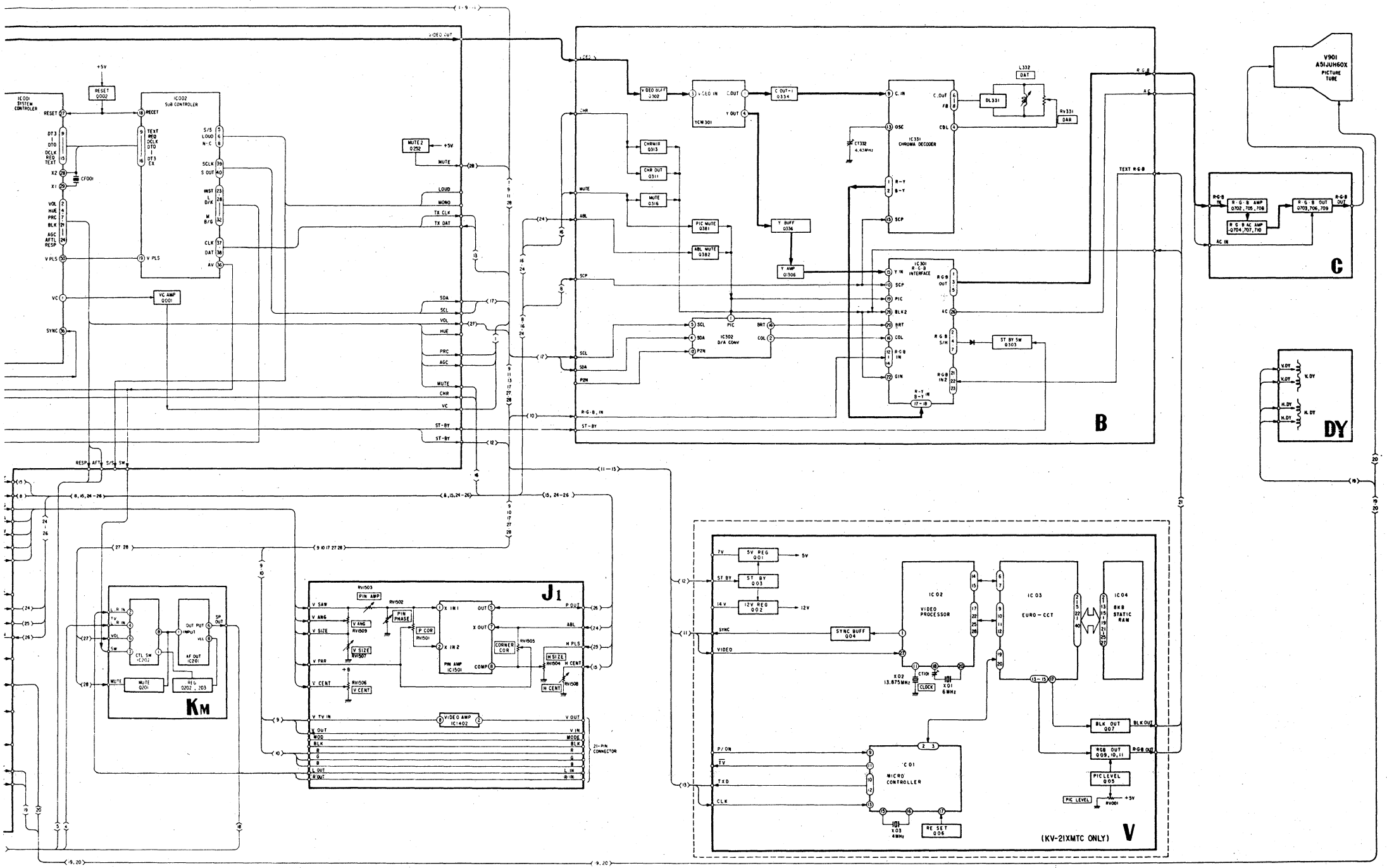


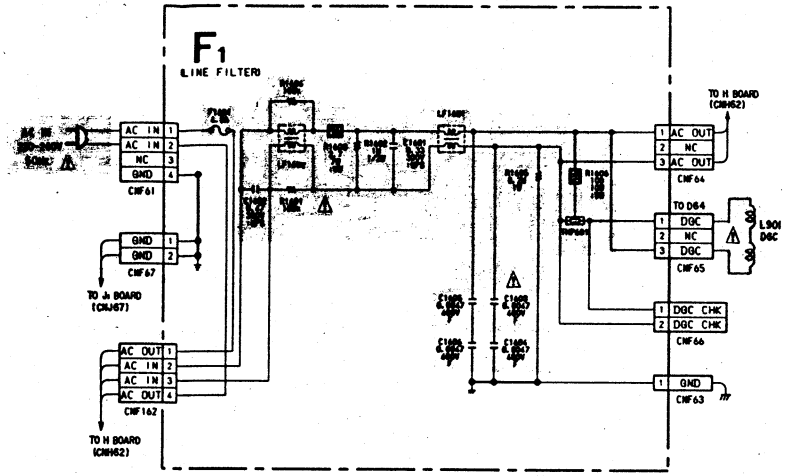
SPECIFICATIONS

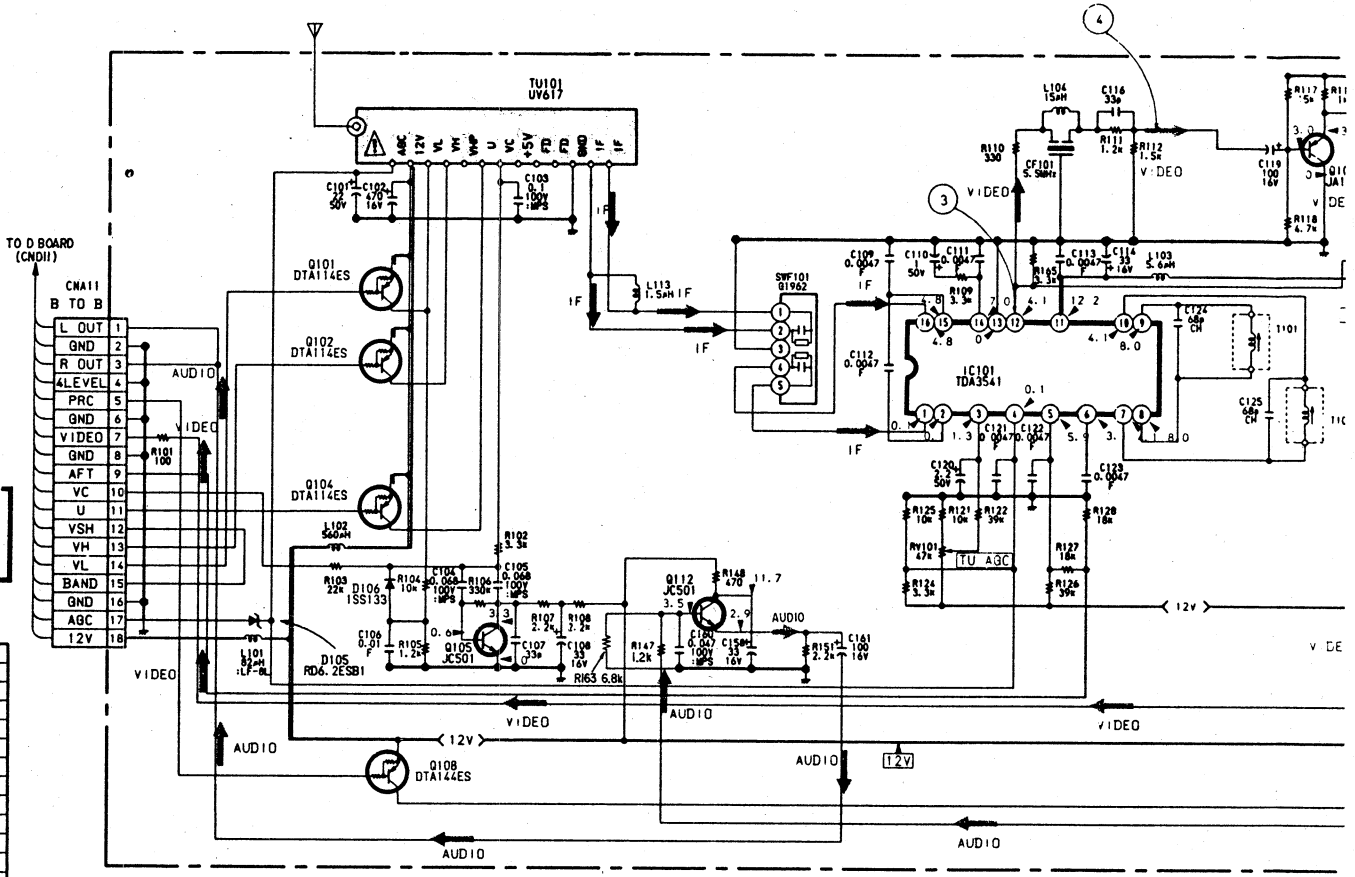
Television system	CCIR B, and H
Color system	PAL
Channel coverage	VHF channels E2-S20 UHF channels E21-E69
Picture tube	Trinitron tube 100-degree deflection Approx. 54.5cm (21 inches) (Approx. 51cm picture measured diagonally)
Input	21-pin connector: CENELEC Standard
Outputs	Earphone jack: minijack 21-pin connector: CENELEC Standard
Power consumption	KV-21XMC 69Wh KV-21XMTC 73Wh
Dimensions	Approx. 589x456.5x470.5mm (w/h/d)
Weight	Approx. 24kg
Supplied accessories	RM-672 Remote Commander (1) for KV-21XMTC RM-671 Remote Commander (1) for KV-21XMC IEC designation R6 batteries (2)
Sound output	5W (music)

BLOCK DIAGRAM

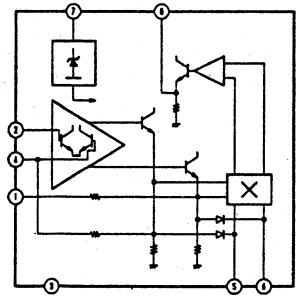



IC001 SYSTEM CONTROLER
IC002 SUB CONTROLER
RESET Q002
CF001
MUTE2 Q252
VC AMP Q001
VIDEO OUT
MUTE
LOUD
MONO
TX CLK
TX DAT
SDA
SCL
VOL
HUE
PRC
AGC
CHR
VC
ST-BY
RESP
AFT
S/S
SW
V PLS
SYNC
B
IC301 R-G-B INTERFACE
IC302 D/A CONV
IC331 CHROMA DECODER
Y AMP Q306
Y BUFF Q336
PIC MUTE Q381
ABL MUTE Q382
ST BY SW Q303
C
V901 A51JUH60X PICTURE TUBE
R-G-B AMP Q702, 705, 708
R-G-B AC AMP Q704, 707, 710
R-G-B OUT Q703, 706, 709
DY
Km
CTL SW IC702
AF OUT IC201
MUTE Q201
REG Q202, 203
J1
PIN AMP
P COR
CORNER COR
H SIZE
H CENT
V SIZE
V CENT
V ANG
PIN PHASE
PIN AMP IC1501
VIDEO AMP IC1402
21-PIN CONNECTOR
V
IC01 MICRO CONTROLLER
IC02 VIDEO PROCESSOR
IC03 EURO-CCT
IC04 8KB STATIC RAM
5V REG Q01
ST BY Q03
12V REG Q02
SYNC BUFF Q04
X02 13.875MHz
X01 6MHz
X03 4MHz
RESET Q06
BLK OUT Q07
RGB OUT Q09, 10, 11
PIC LEVEL Q05
(KV-21XMTC ONLY)



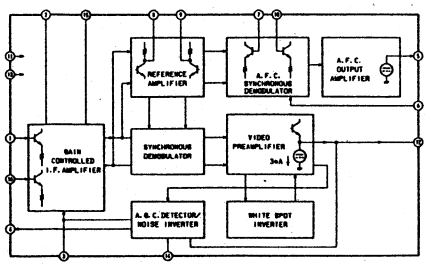


A BOARD IC105 TBA129

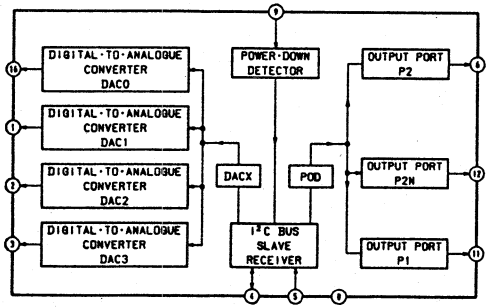


A	IC 101	TDA3541	VIF
	105	TBA129	SIF
	Q 101	DTA114ES	BAND L
	102	DTA114ES	BAND H
	104	DTA114ES	BAND U
	105	JC501	VC FILTER
	107	JA101	BUFF AMP
	108	DTA144ES	PRC SW
	112	JC501	AF BUFFL
	D 105	RD6.2ES-B1	SEARCH AGC
	106	1SS133	VC STOP
	109	1SS133	MUTE

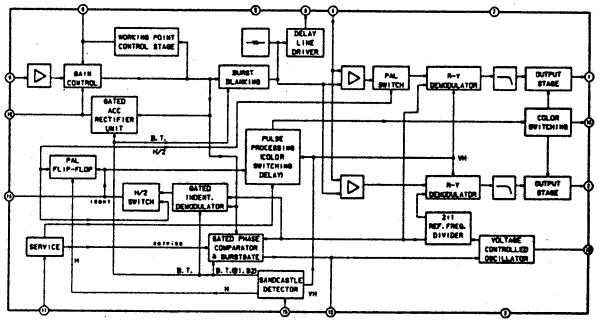
A BOARD IC101 TDA3541

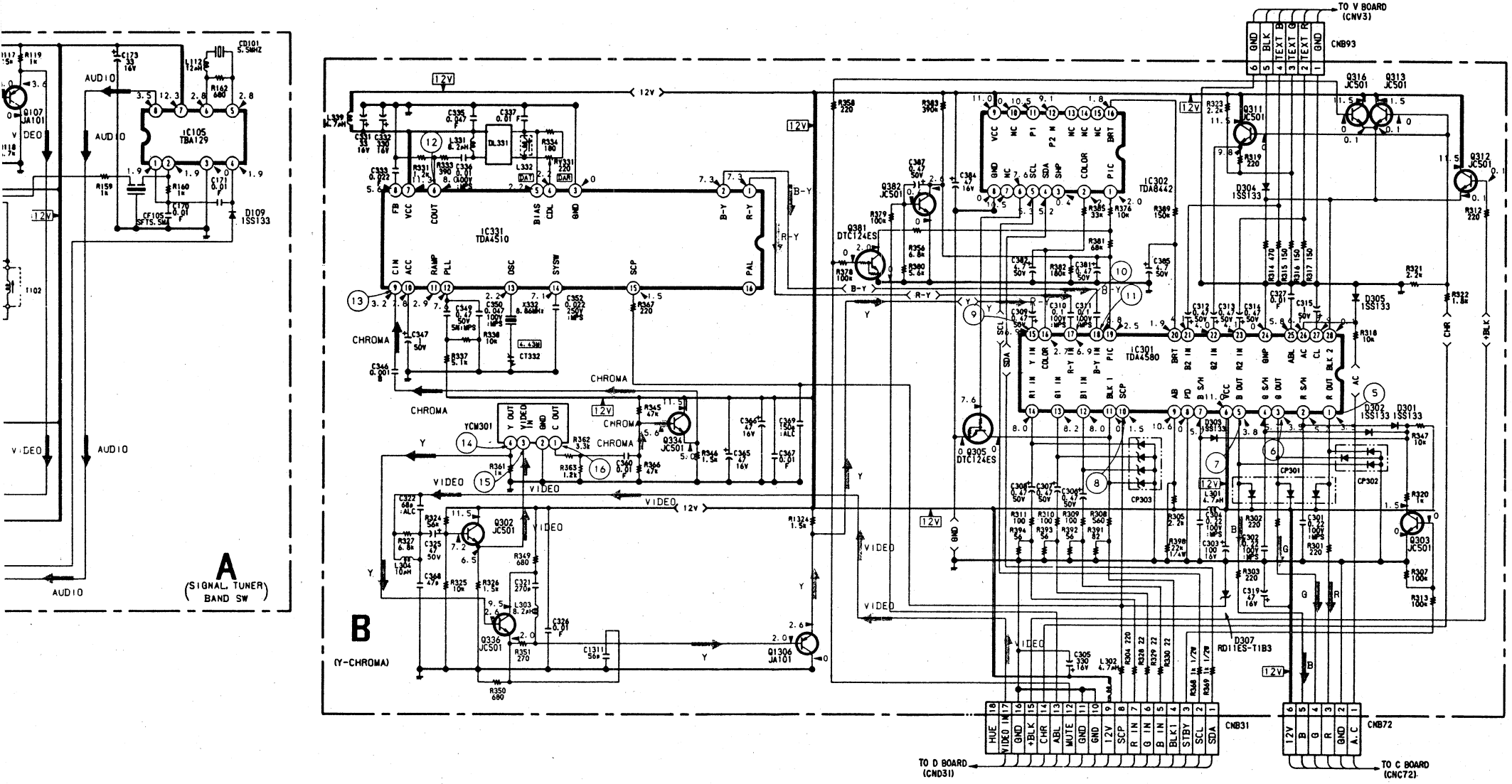


B BOARD IC302 TDA8442



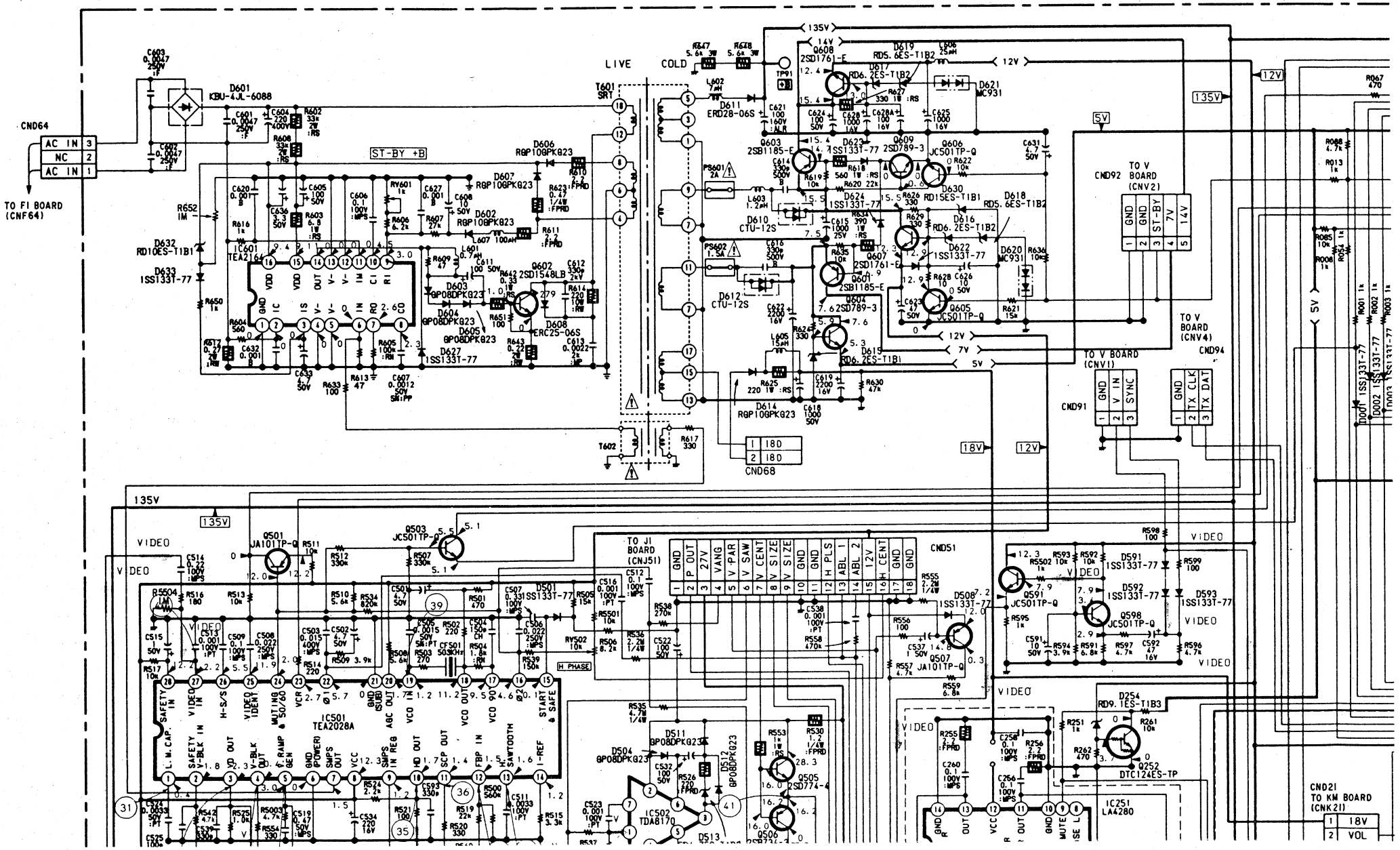
B BOARD IC331 TDA4510



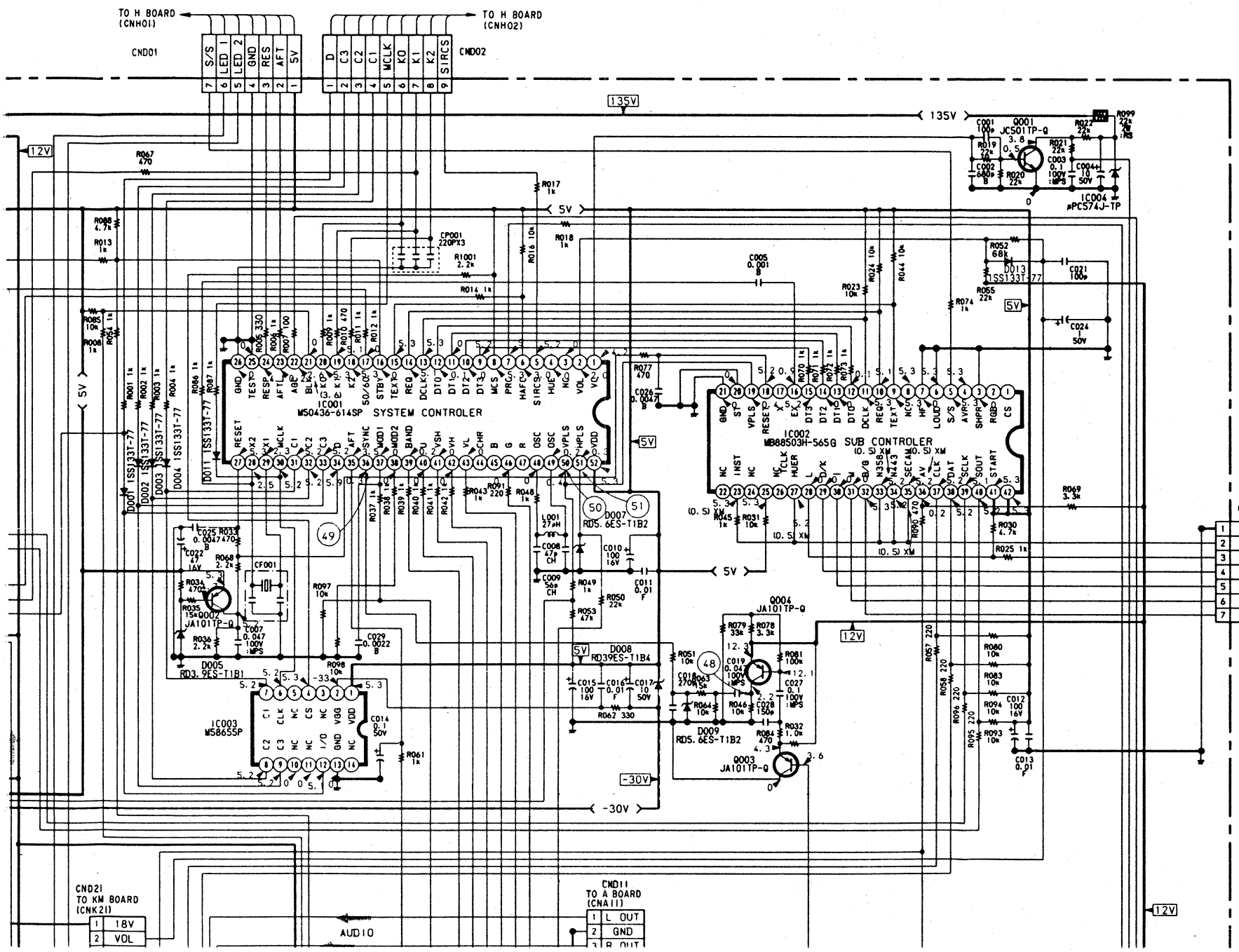


B	IC 301	TDA4580	RGB INTERFACE	313	JC501	CHR MIX	302	1SS133	ST BY MUTE-2
	302	TDA8442	D/A CONVERTOR	316	JC501	PIC MUTE	303	1SS133	ST BY MUTE-3
	331	TDA4510	CHROMA DECODER	334	JC501	CHROMA OUT	304	1SS133	BLK SW
				336	JC501	VIDEO AMP	305	1SS133	ADD
	Q 302	JC501	VIDEO BUFF	381	DTC124ES	MUTE	307	RD11ES-B3	ADD
	303	JC501	ST BY SW	382	JC501	ABL MUTE			
	305	DTC124ES	PIC MUTE	1306	JA101	Y BUFF			
	311	JC501	CHR OUT						
	312	JC501	BLKSW	D 301	1SS133	ST BY MUTE-1			

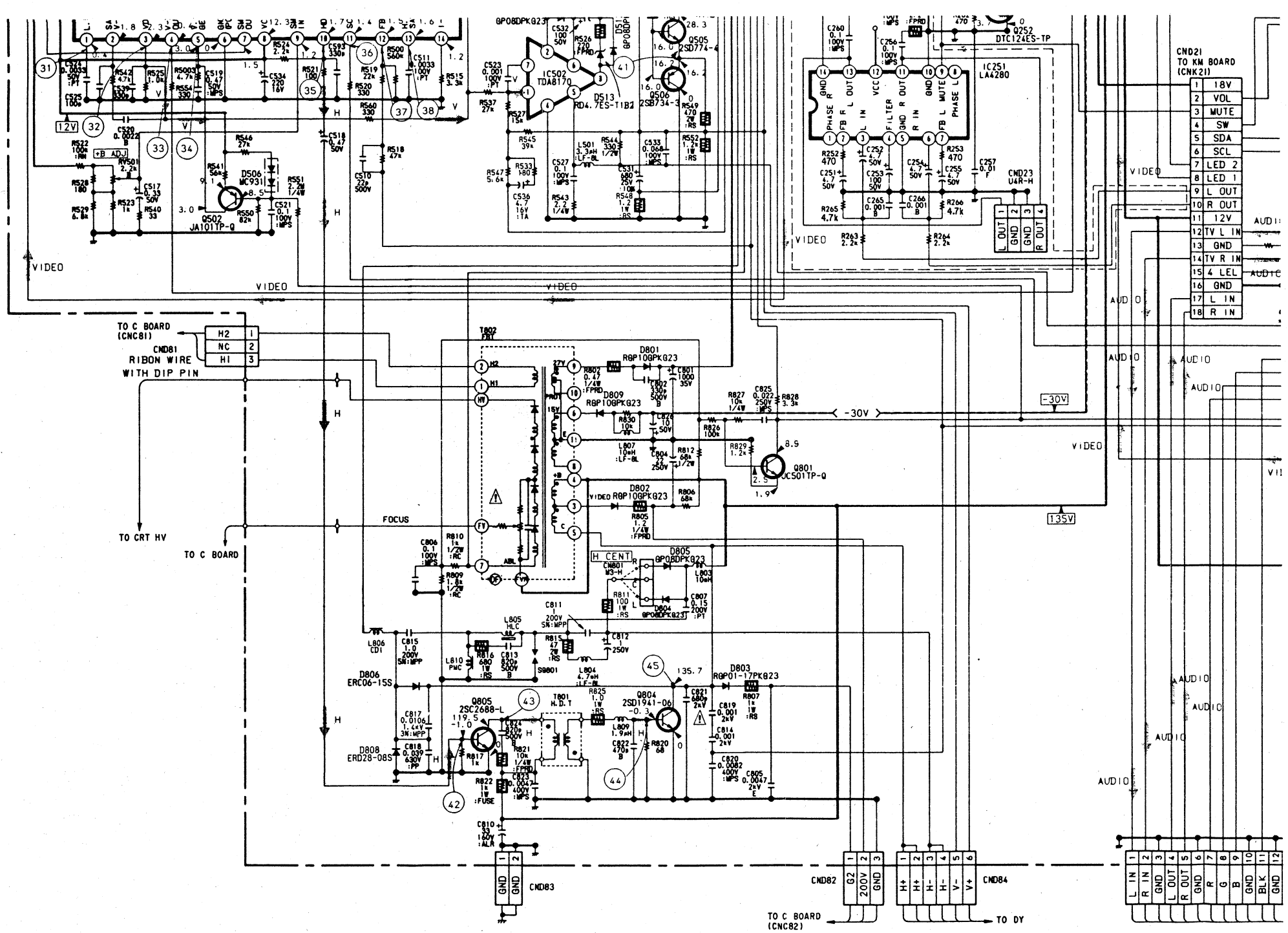
upper left corner



upper right corner



IC 001	M50436-614SP	TUNING CTL
002	MB88503H-565G	SYSTEM CTL
003	M58655P	MEMORY
004	μPC574J	REG
251	LA4280	AF OUT
401	CX20061	VIDEO SW
501	TEA2028A	JUNGLE
502	TDA8170	V OUT
601	TEA2164	POWER CTL
Q 001	JC501	VC AMP
002	JA101	RESET
003	JA101	VIDEO BUFF
004	JA101	SYNC SEP
252	DTC124ES	MUTE
501	JA101TP-Q	50/60 SW
502	JA101	V SAW
503	JC501	SYNC DET
505	2SD774-4	V CENT-1
506	2SB734-3	V CENT-2
507	JA101	VLK SW
591	JC501	SYNC SW
598	JC501	SYNC AMP
601	2SB1185-E	ST BY SW-1
602	2SD1548-LB	REG OUT
603	2SB1185-E	ST BY SW-2
604	2SD789-3	+5V REG
605	JC501	ST BY SW-3
606	JC501	ST BY SW-4
607	2SD1761-E	+12V REG-1
608	2SD1761-E	+12V REG-2
609	2SD789-3	ST BY SW-5
801	JC501	ABL AMP
804	2SD1941-06	H OUT
805	2SC2688-L	H DRIVE
D 001	1SS133	KEY SCAN-1
002	1SS133	KEY SCAN-2
003	1SS133	KEY SCAN-3
004	1SS133	KEY SCAN-4
005	RD3.9ES-B1	PROTECT-1
007	RD5.6ES-B2	PROTECT-2
008	RD39ES-B4	39V ZENER
009	RD5.6ES-B2	PROTECT-3
011	1SS133	KEY SCAN-5
013	1SS133	VOL CORRECT
254	RD9.1ES-B3	9V ZENER
501	1SS133	SOFT START
504	GP08DPKG23	PONP UP
506	MC931	PROTECT-4
508	1SS133	BLK SW
511	GP08DPKG23	PROTECT-11
512	GP08DPKG23	PROTECT-12
513	RD4.7ES-B2	PROTECT-10
591	1SS133	SYNC SW-1
592	1SS133	SYNC SW-2
593	1SS133	SYNC SW-3
601	KBU4JL-6088	AC RECT
602	RGP10GPKG23	PROTECT-5
603	GP08DPKG23	REG DRIVE-1
604	GP08DPKG23	REG DRIVE-2
605	GP08DPKG23	REG DRIVE-3
606	RGP10GPKG23	REF RECT-1
607	RGP10GPKG23	REF RECT-2
608	ERC25-06S	PULSE CLIPPER
610	CTU-12S	+14V RECT
611	ERD28-06S	+135V RECT
612	CTU-12S	+7V RECT
614	RGP10GPKG23	AF RECT
615	RD6.2ES-B1	REG-4
616	RD6.2ES-B2	REG-1
617	RD6.2ES-B2	REG-2
618	RD5.6ES-B2	REG-3
619	RD5.6ES-B2	REG-3
620	MC931	PROTECT-6
621	MC931	PROTECT-7
622	1SS133	PROTECT-8
623	1SS133	STBY SW-1
624	1SS133	STBY SW-2
627	1SS133	PROTECT-9
630	RD15ES-B1	REG
632	RD10ES-T1B1	PROTECT
633	1SS133	PROTECT
801	RGP10GPKG23	27V RECT
802	RGP10GPKG23	200V RECT
803	RGP01-17PKG23	G2RECT
804	GP08DPKG23	H CENT-1
805	GP08DPKG23	H CENT-2
806	ERC06-15S	H DANPER-1
808	ERD28-08S	PIN DANPER
809	RGP10GPKG23	-30V RECT



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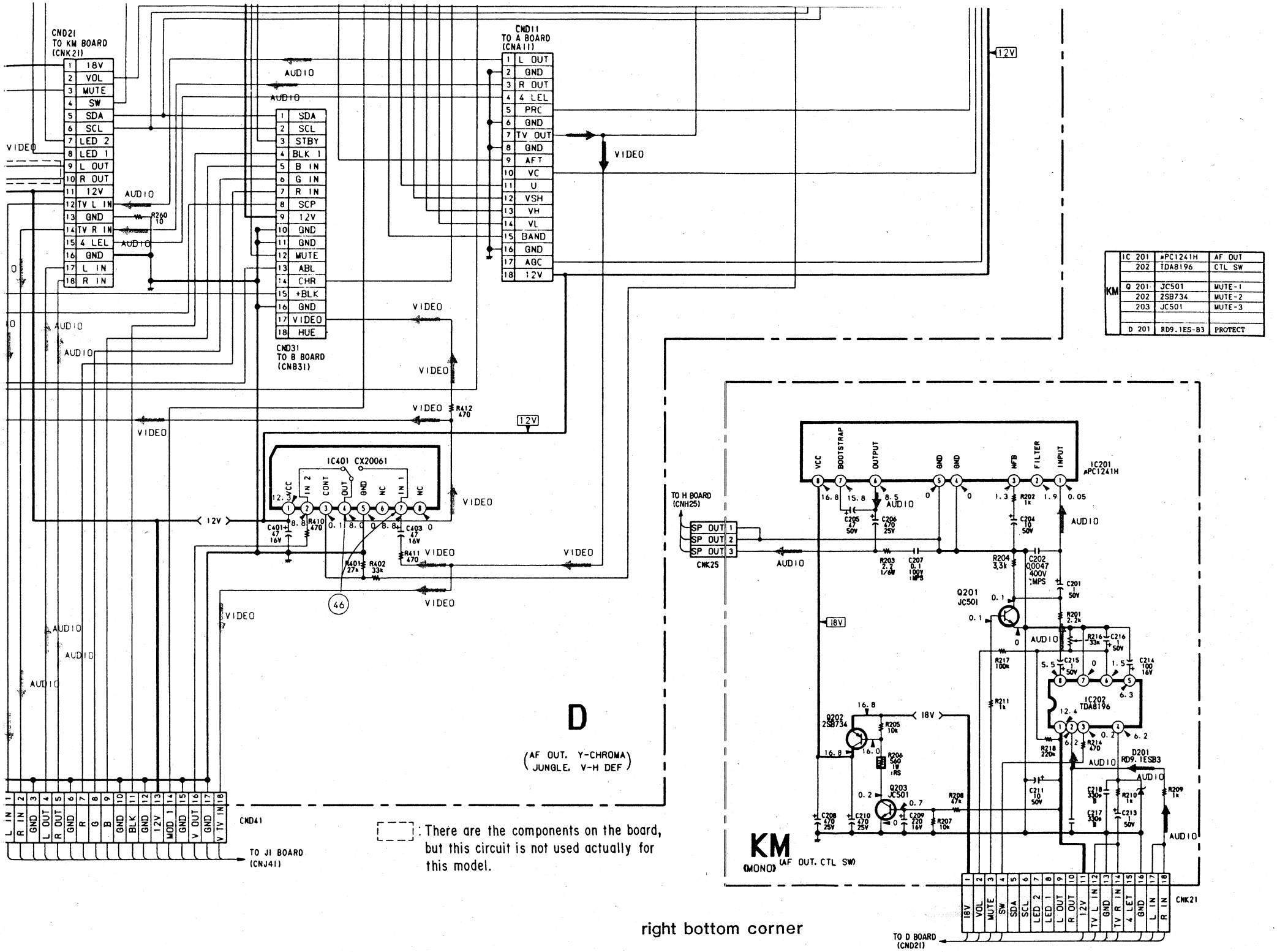
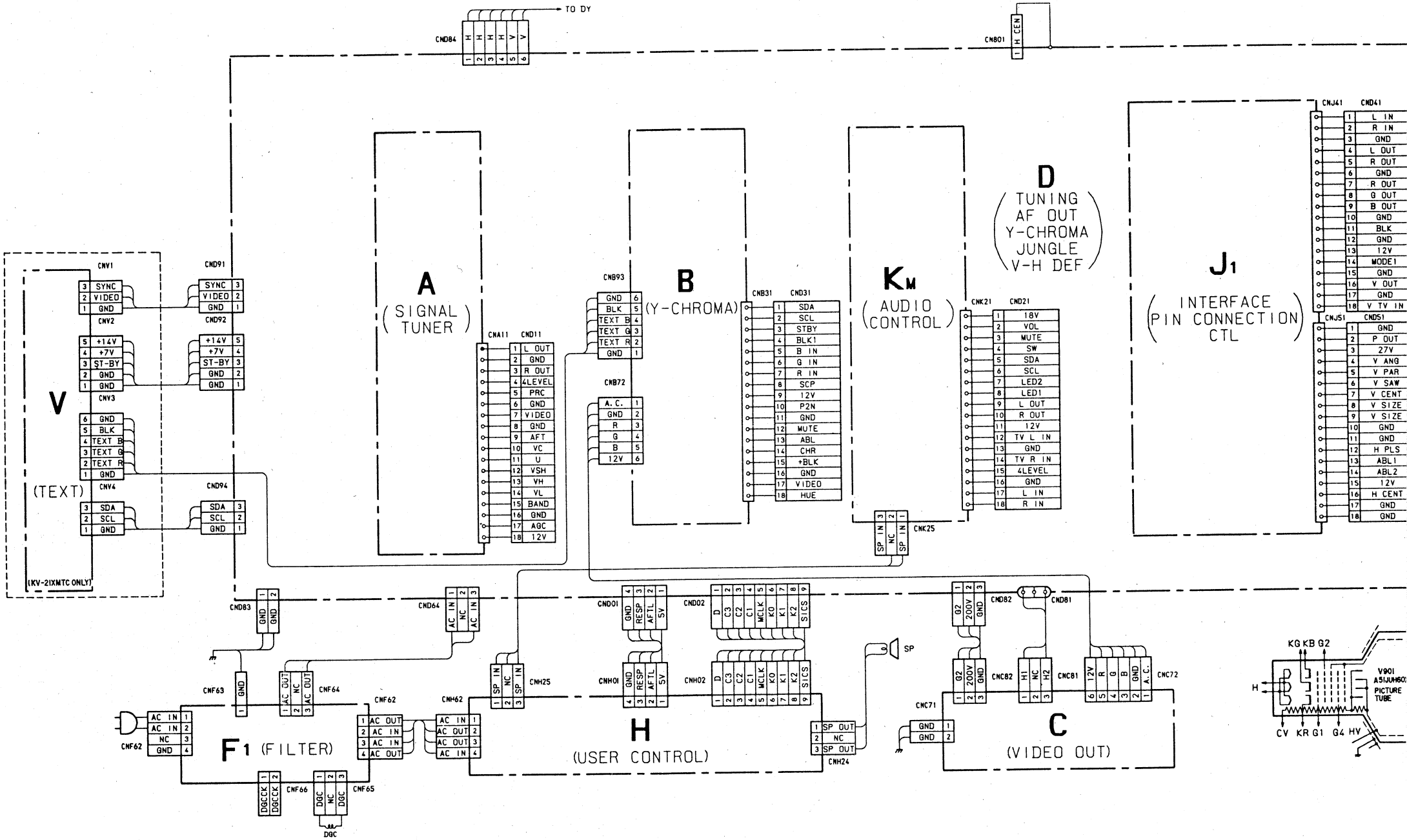
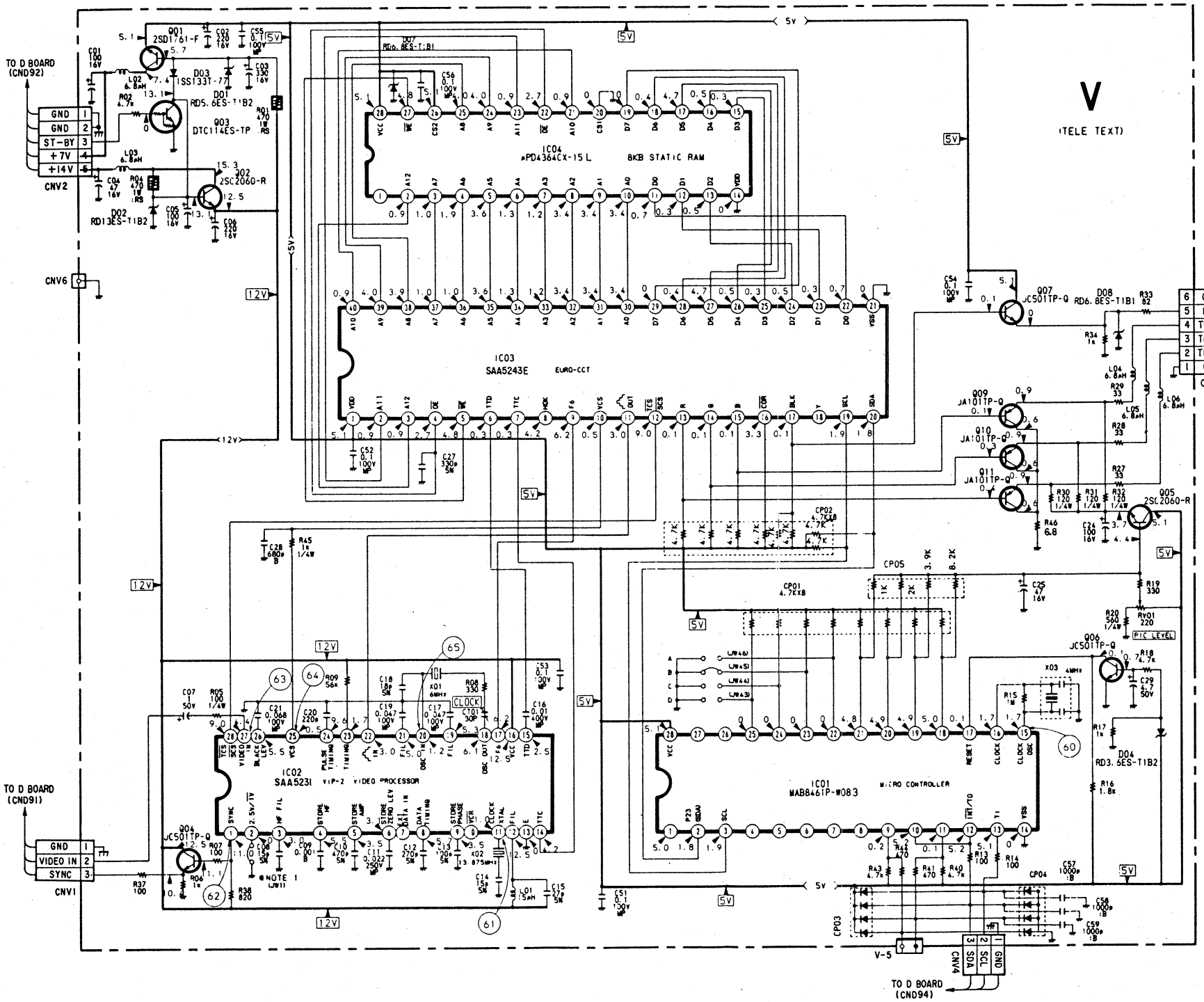


KM	IC 201	μPC1241H	AF OUT
	202	TDA8196	CTL SW
	Q 201	JC501	MUTE-1
	202	2SB734	MUTE-2
	203	JC501	MUTE-3
	D 201	RD9.1ES-B3	PROTECT


TO DY
CND84
CN801
A
(SIGNAL TUNER)
B
(Y-CHROMA)
Kм
(AUDIO CONTROL)
D
(TUNING AF OUT Y-CHROMA JUNGLE V-H DEF)
J1
(INTERFACE PIN CONNECTION CTL)
V
(TEXT)
(KV-21XMTC ONLY)
F1 (FILTER)
H
(USER CONTROL)
C
(VIDEO OUT)
SP
V901 A51JUH602 PICTURE TUBE

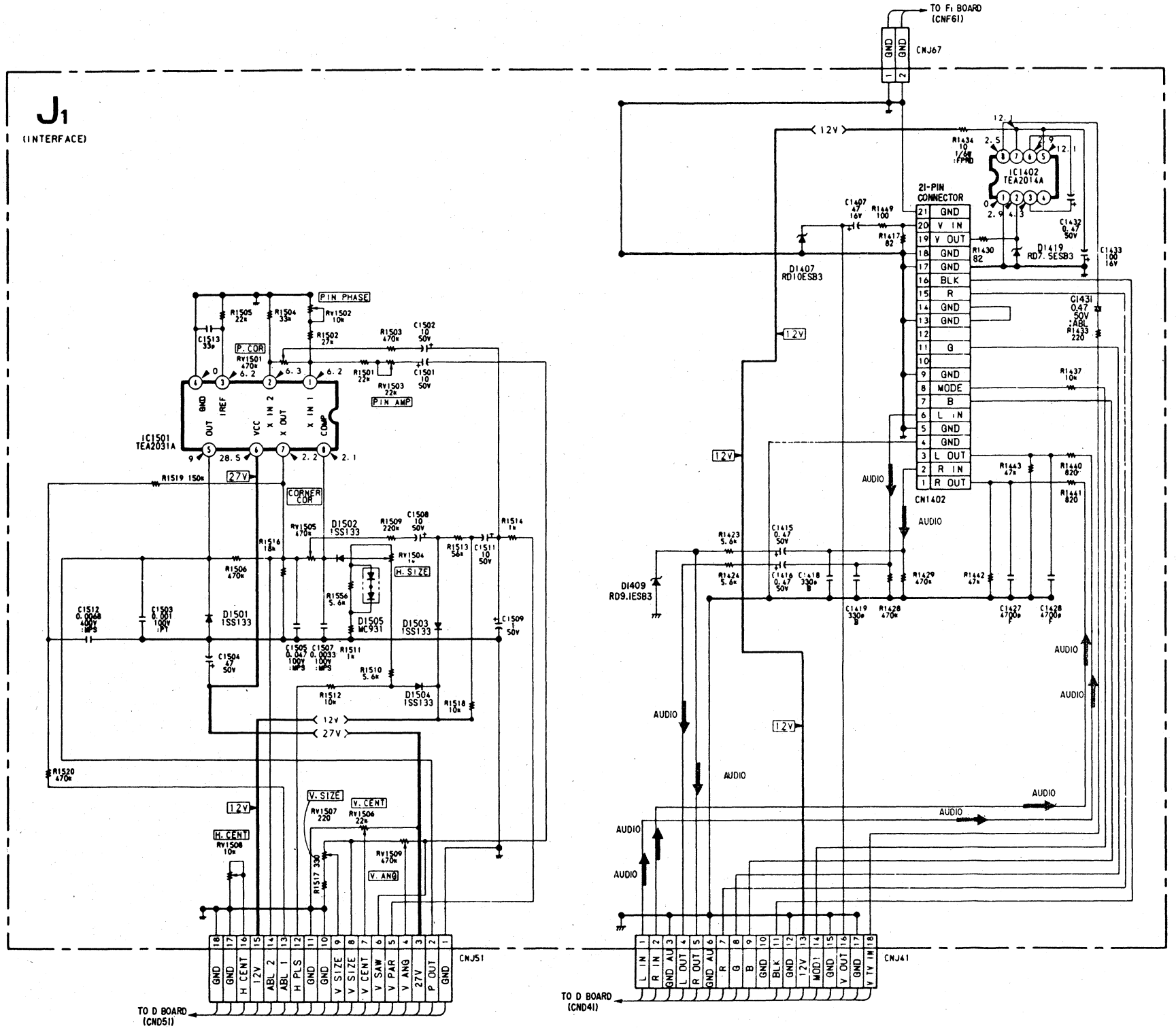
(KV-21XMTC ONLY)



V	IC 01	MAB8461P-W083	MICRO CTL
	02	SAA5231	VIDEO PROCESSOR
	03	SAA5243E	EURO CCT
	04	μPD4364CX-15L	8KB STATIC RAM
	Q 01	2SD1761-F	5V REG
	02	2SC2060-R	12V REG
	03	DTC114ES-TP	ST BY
	04	JC501TP-Q	SYNC BUFF
	05	2SC2060-R	PIC LEVEL
	06	JC501TP-Q	RESET
	07	JC501TP-Q	BLK OUT
	09	JA101TP-Q	B OUT
	10	JA101TP-Q	G OUT
	11	JA101TP-Q	R OUT
	D 01	RD5.6ES-T1B2	5V REG
	02	RD13ES-T1B2	12V REG
	03	1SS133T-77	ST BY
	04	RD3.6ES-T1B2	RESET
	07	RD6.8ES-T1B2	PROTECT-1
	08	RD6.8ES-TIB1	PROTECT-2

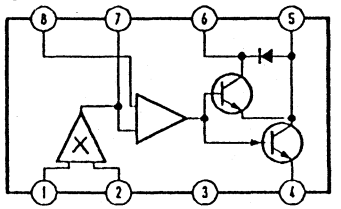
J_1

(INTERFACE)

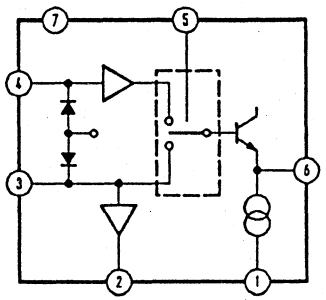


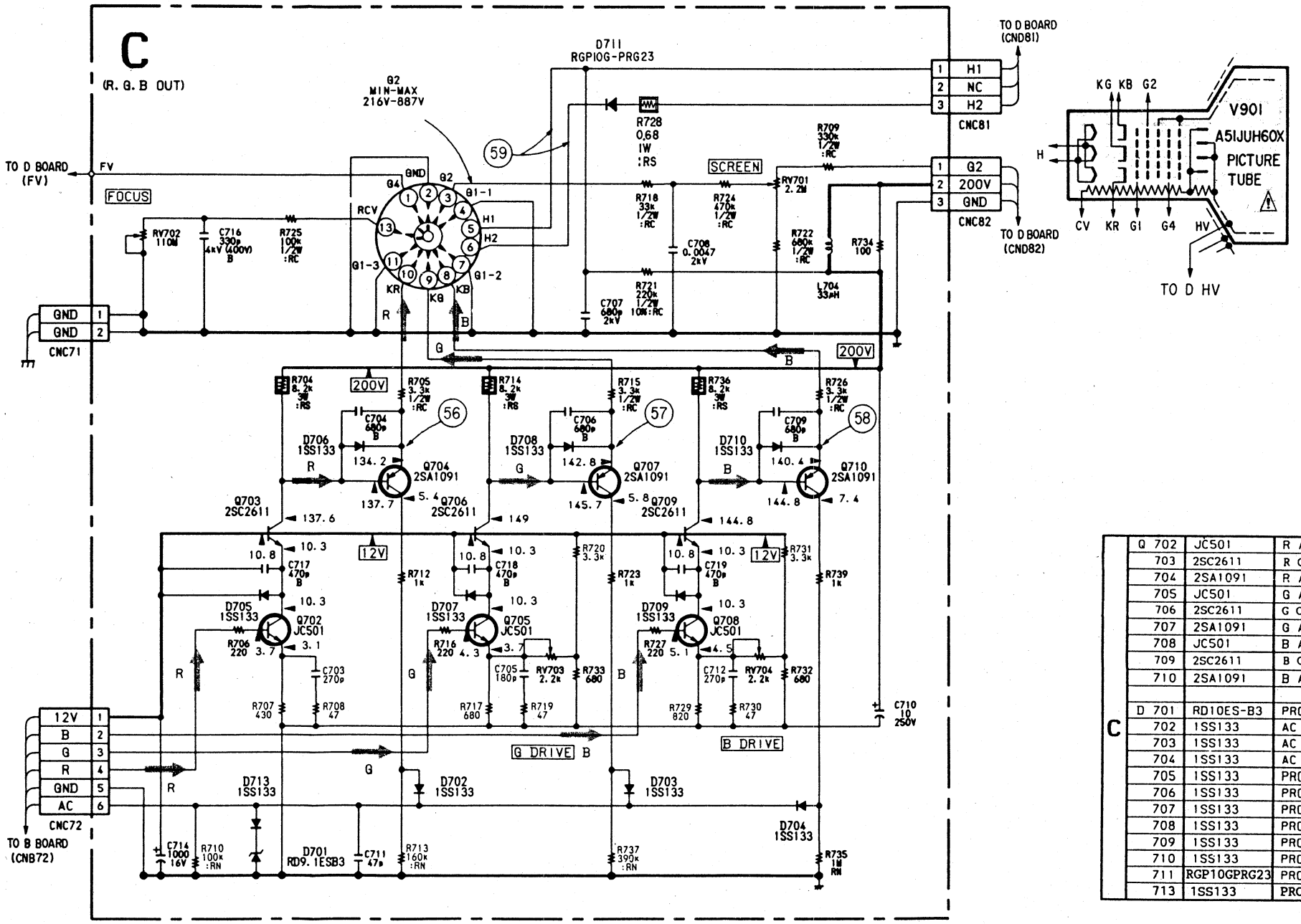
J_1	IC1402	TEA2014A	VIDEO SWITCH
	1501	TEA2031A	PIN AMP
	D1407	RD10ESB3	PROTECT
	1409	RD9.1ESB3	PROTECT
	1419	RD7.5ESB3	PROTECT
	1501	1SS133	PROTECT
	1502	1SS133	DC STOP
	1503	1SS133	CORNER CORR
	1504	1SS133	H.P SLICER
	1505	MC931	PROTECT

J_1 BOARD IC1501 TEA2031A

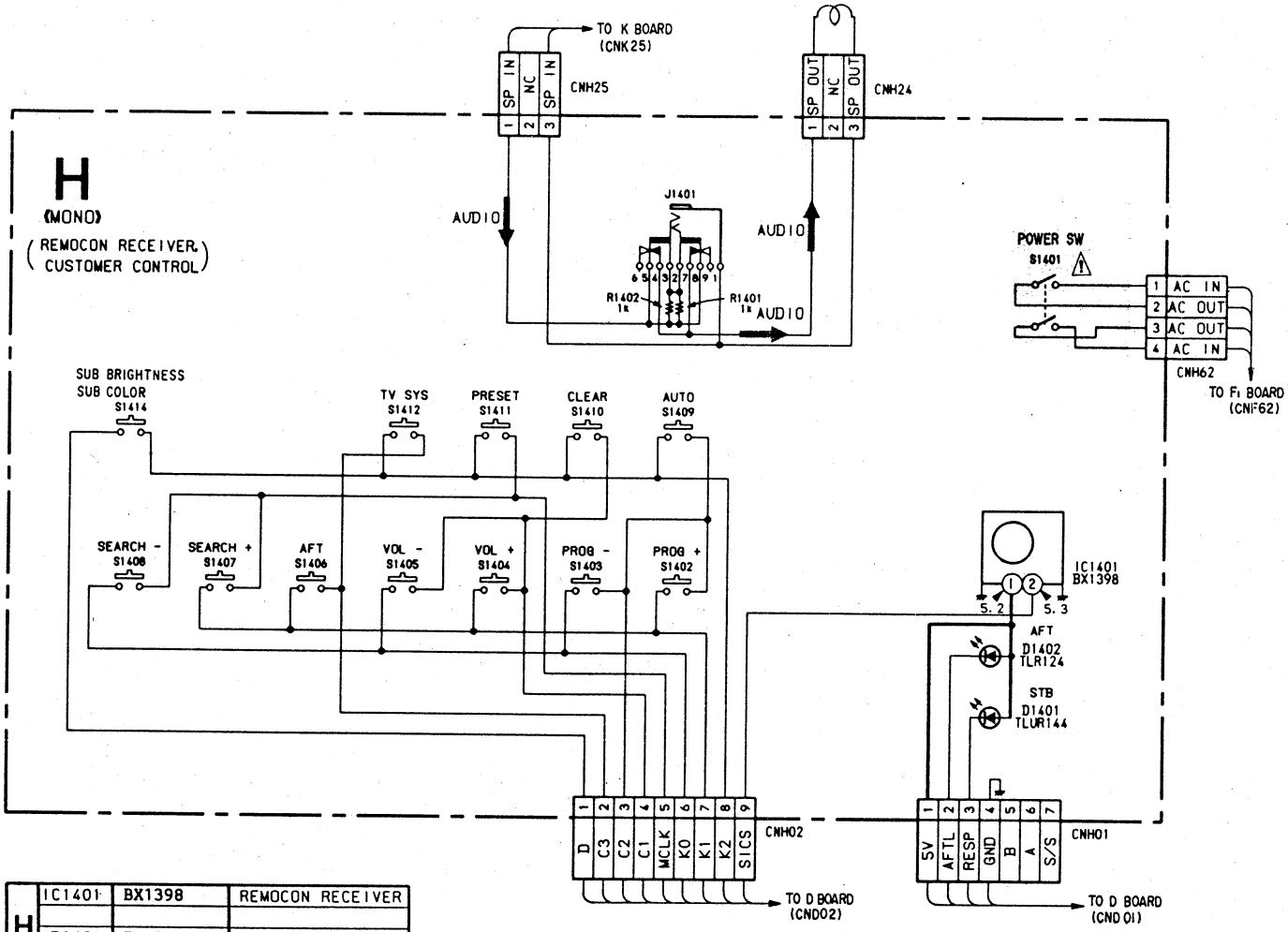


J_1 BOARD IC1402 TEA2014A



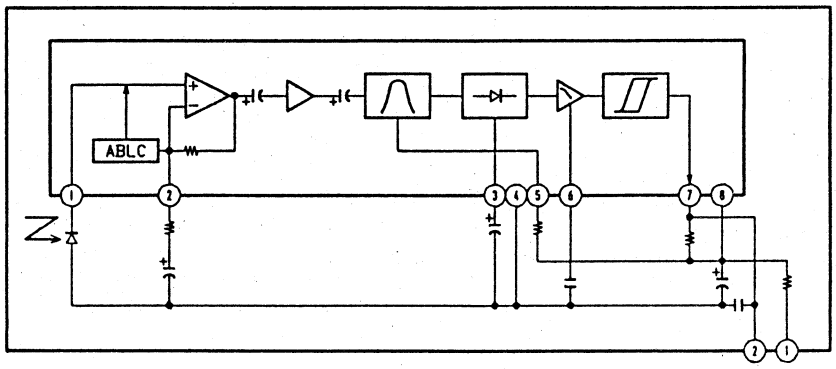


C	Q 702	JC501	R AMP
	703	2SC2611	R OUT
	704	2SA1091	R AC AMP
	705	JC501	G AMP
	706	2SC2611	G OUT
	707	2SA1091	G AC AMP
	708	JC501	B AMP
	709	2SC2611	B OUT
	710	2SA1091	B AC AMP
	D 701	RD10ES-B3	PROTECT-1
	702	1SS133	AC MIX-1
	703	1SS133	AC MIX-2
	704	1SS133	AC MIX-3
	705	1SS133	PROTECT-2
	706	1SS133	PROTECT-3
	707	1SS133	PROTECT-4
	708	1SS133	PROTECT-5
	709	1SS133	PROTECT-6
	710	1SS133	PROTECT-7
	711	RGP10GPRG23	PROTECT-8
	713	1SS133	PROTECT-9



H	IC1401	BX1398	REMOCON RECEIVER
	D1401	TLUR144	RESP
	1402	TLR124	AFT

H BOARD IC1401 BX-1398



• B BOARD WAVEFORM

⑤ 2Vp-p(H)	⑨ 0.4Vp-p(H)	⑬ 0.4Vp-p(H)
⑥ 2Vp-p(H)	⑩ 1.3Vp-p(H)	⑭ 0.4Vp-p(H)
⑦ 2Vp-p(H)	⑪ 1.6Vp-p(H)	⑮ 1Vp-p(H)
⑧ 11Vp-p(H)	⑫ 1.6Vp-p(H)	⑯ 0.4Vp-p(H)

• A BOARD WAVEFORM

③ 2.8Vp-p(H)	
④ 1.6Vp-p(H)	

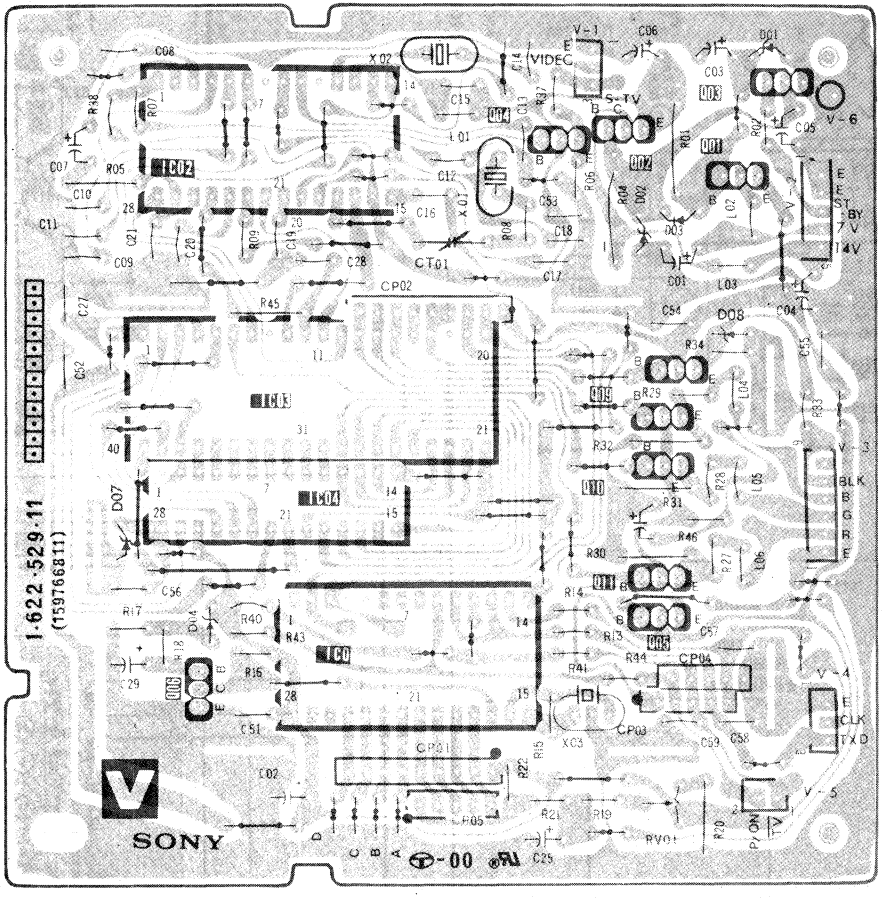
• V BOARD WAVEFORM

⑥⓪ 3.5Vp-p(4MHz)	⑥④ 2.9Vp-p(H)
⑥① 0.56Vp-p(8.75MHz)	⑥⑤ 0.4Vp-p(6MHz)
⑥② 1Vp-p(H)	
⑥③ 1Vp-p(H)	

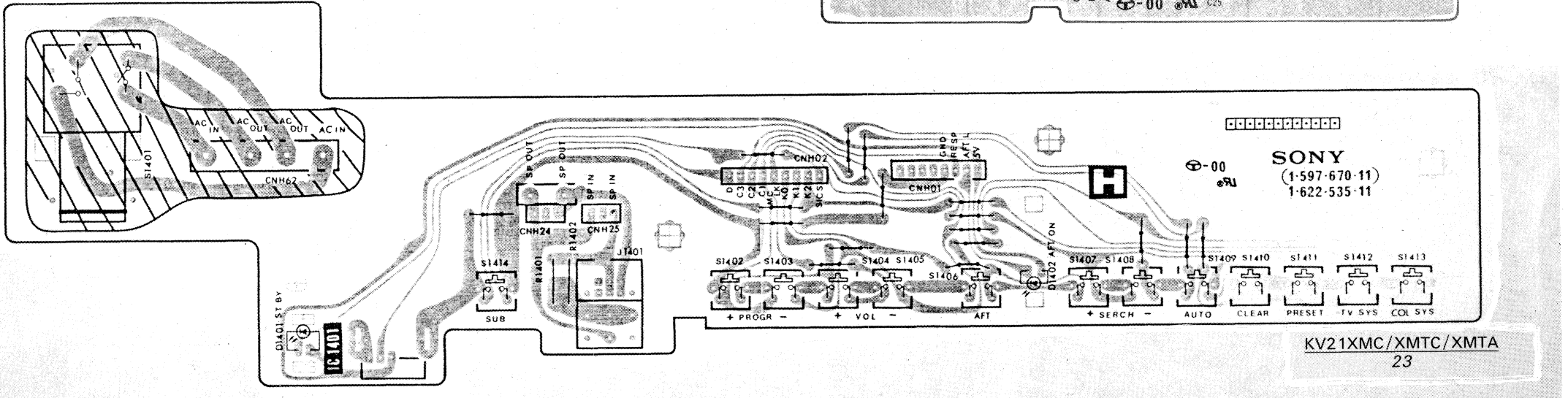
• D BOARD WAVEFORM

(31) 1.2Vp-p(H)	(35) 4Vp-p(H)	(39) 0.1Vp-p(503kHz)	(43) 230Vp-p(H)	(48) 11Vp-p(H)
(32) 2.4Vp-p(V)	(36) 11Vp-p(H)	(40) 1.8Vp-p(H)	(44) 12Vp-p(H)	(49) 5.6Vp-p(H)
(33) 5.3Vp-p(V)	(37) 14Vp-p(H)	(41) 1.2Vp-p(V)	(45) 1200Vp-p(H)	(50) 5.6Vp-p(V)
(34) 2.4Vp-p(V)	(38) 3.6Vp-p(H)	(42) 3.2Vp-p(H)	(46) 1Vp-p(H)	(51) 6.4Vp-p(H)

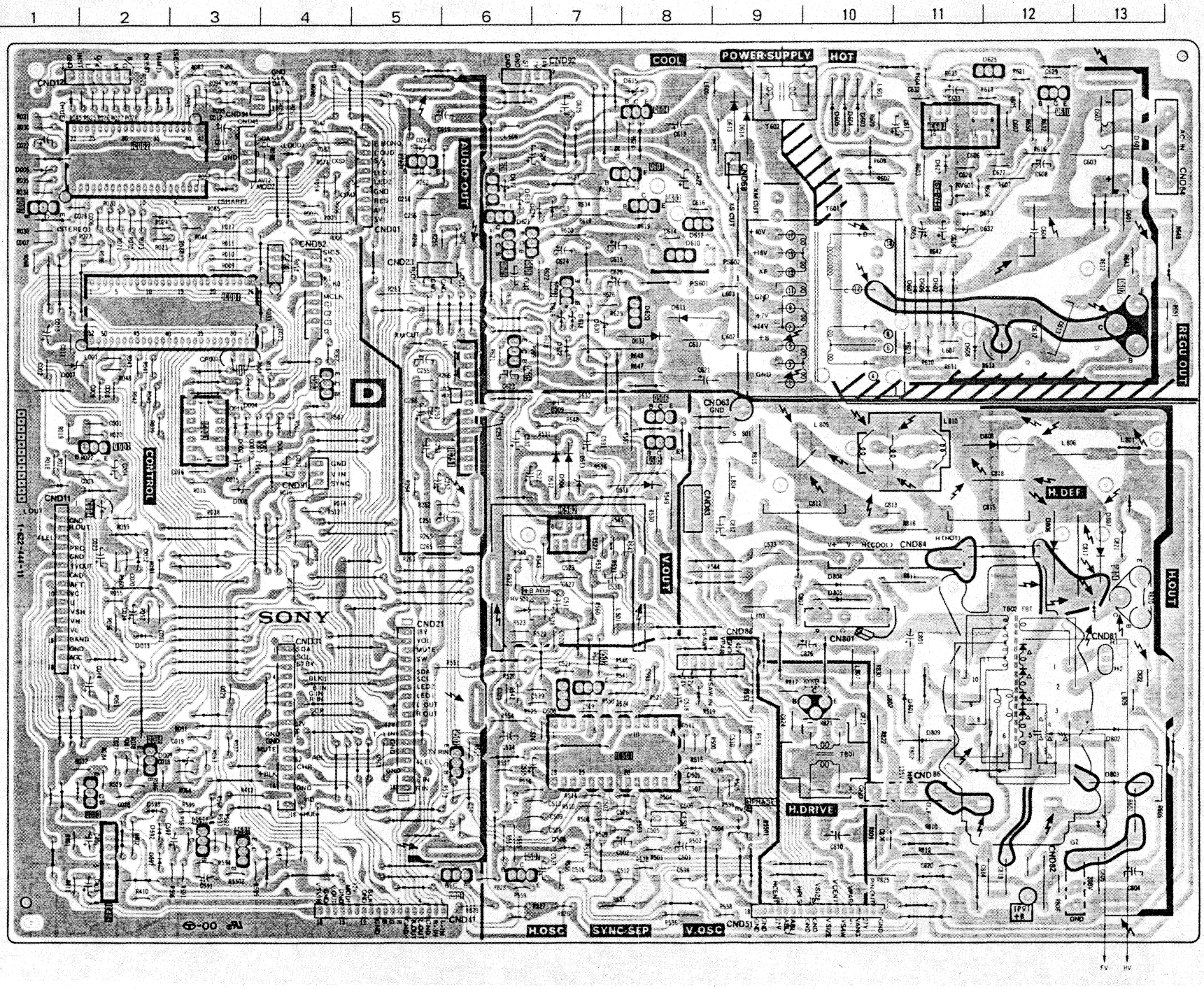
– V Board – (KV-21XMTC ONLY)



– H Board –



— D Board —



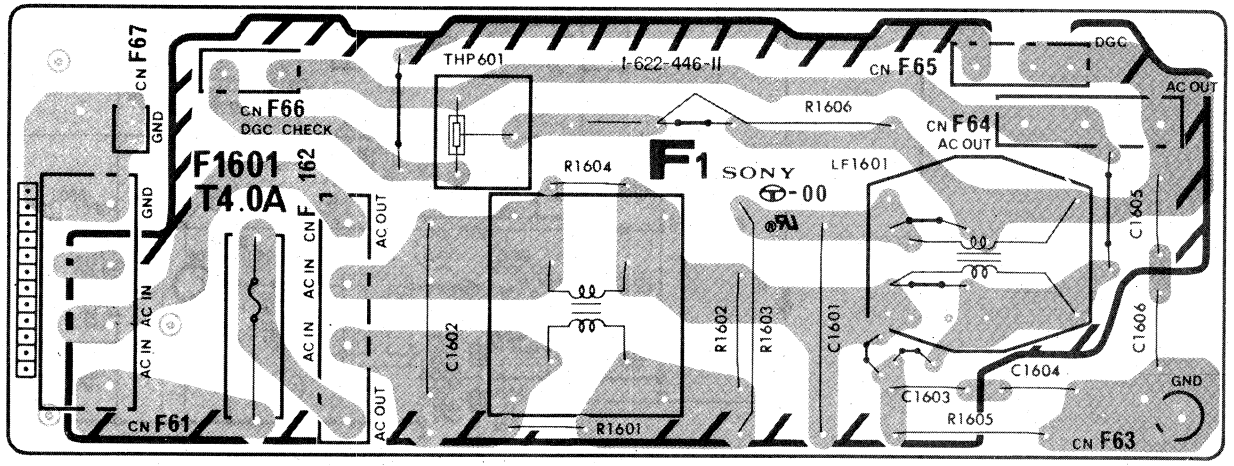
IC	
IC001	D-3
IC002	B-2
IC003	E-3
IC004	F-2
IC251	E-6
IC401	J-2
IC501	H-7
IC502	F-7
IC601	B-11

TRANSISTOR	
Q001	E-2
Q002	B-1
Q003	I-2
Q004	H-2
Q252	B-6
Q501	H-6
Q502	H-7
Q503	D-4
Q505	E-8
Q506	E-8
Q507	J-6
Q591	I-3
Q598	I-3
Q601	B-8
Q602	D-13
Q603	B-8
Q604	A-8
Q605	D-6
Q606	C-6
Q607	C-7
Q608	B-6
Q609	C-6
Q801	J-6
Q804	G-13
Q805	H-10

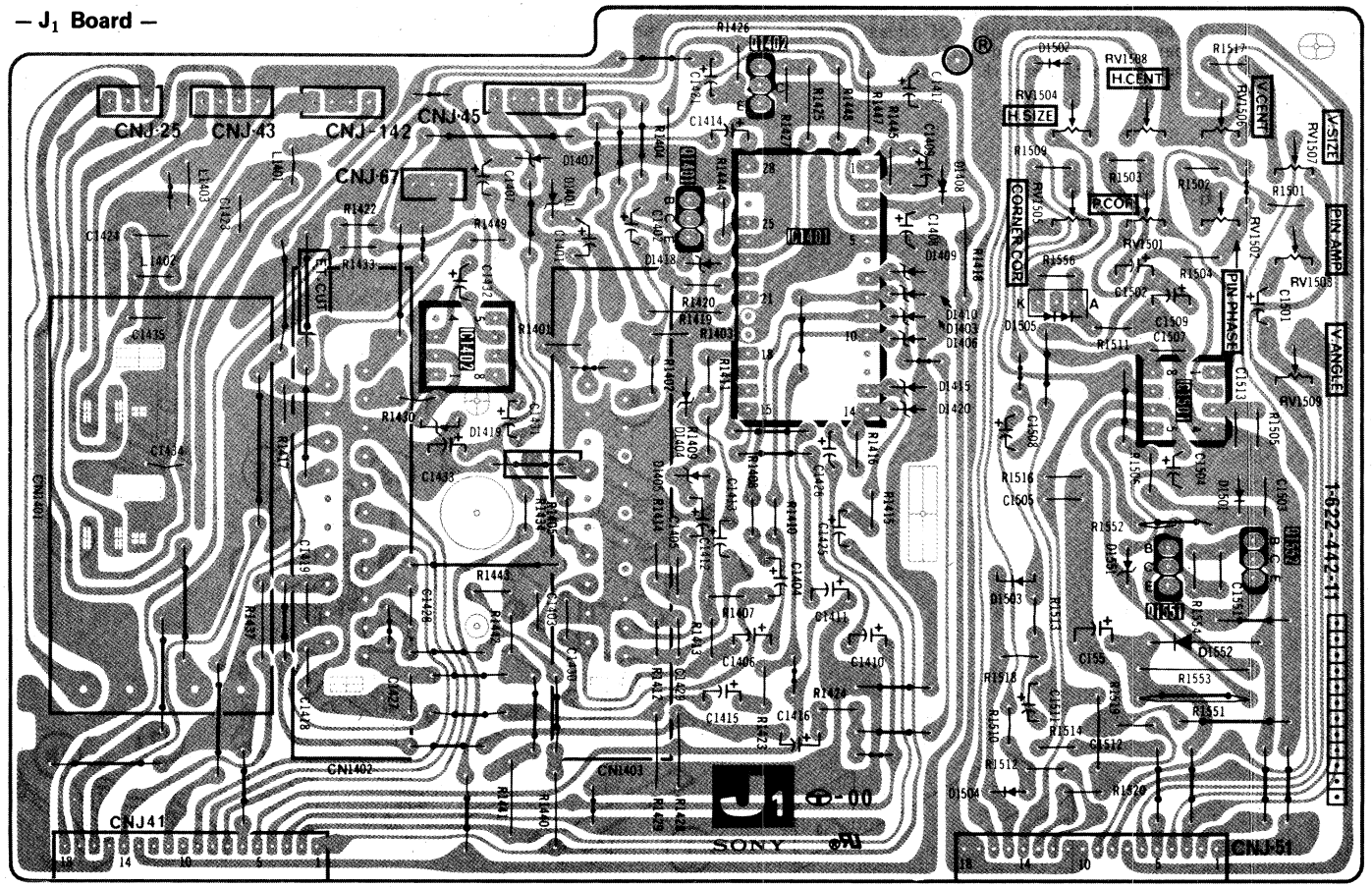
DIODE	
D001	E-4
D002	E-3
D003	E-3
D004	D-3
D005	B-1
D007	D-1
D008	F-3
D009	I-3
D011	E-3
D013	G-2
D254	B-5
D501	I-8
D504	E-7
D506	H-7
D508	I-7
D511	F-8
D512	E-7
D513	E-7
D591	J-2
D592	I-2
D593	I-2
D601	B-1
D602	C-1
D603	A-1
D604	A-1
D605	A-1
D606	C-1
D607	C-1
D608	D-1
D610	C-8
D611	D-8
D612	C-8
D613	A-9
D614	B-9
D615	A-8
D616	D-7
D617	B-6
D618	D-7
D619	B-6
D620	D-8
D621	C-6
D622	D-7
D623	C-7
D624	C-7
D627	B-1
D630	D-7
D632	C-1
D633	C-1
D801	H-1
D802	H-1
D803	I-1
D804	G-1
D805	G-1
D806	F-1
D808	E-1
D809	H-1

VARIABLE RESIST	
RV501	G-6
RV502	I-9
RV601	B-1

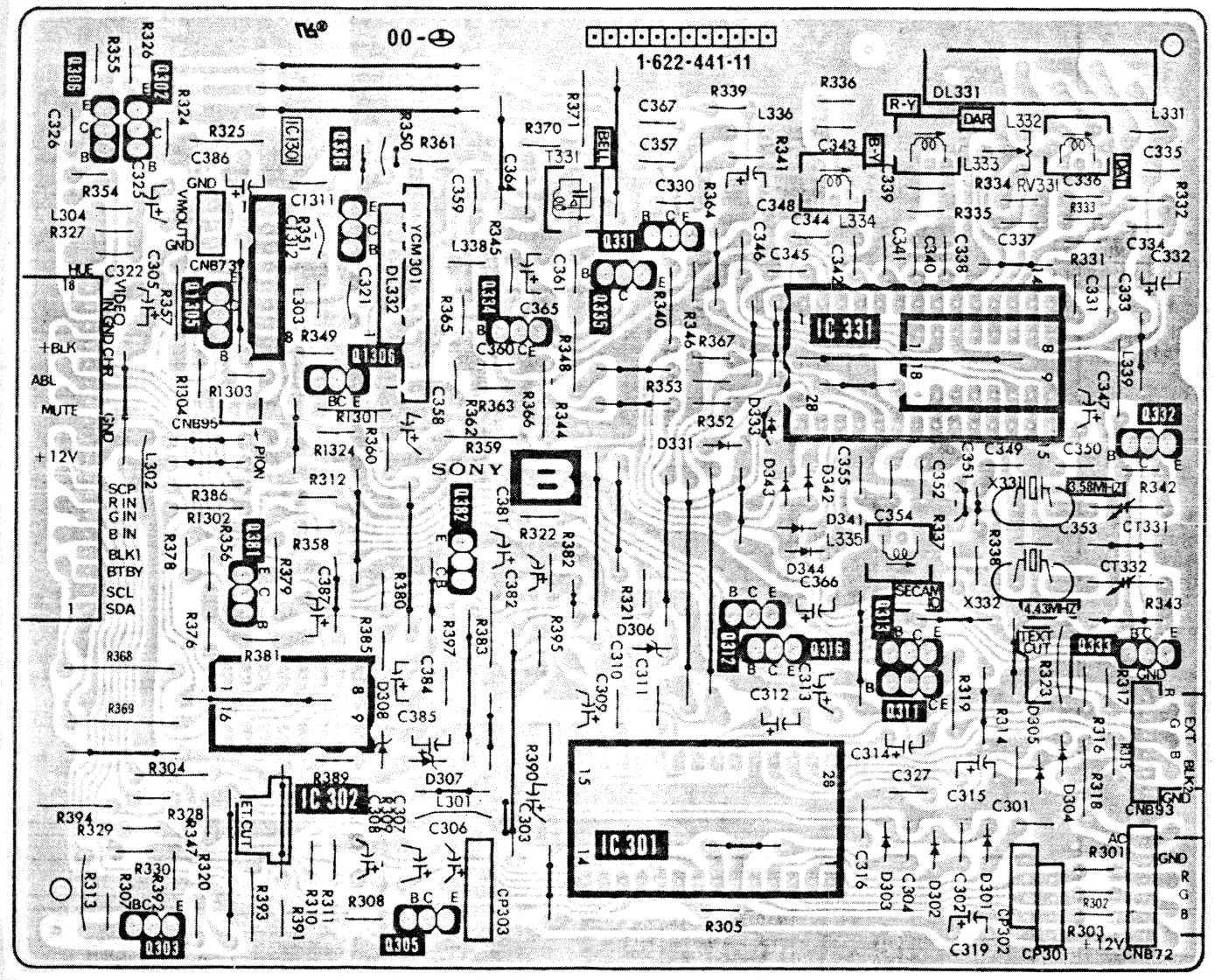
– F_1 Board –



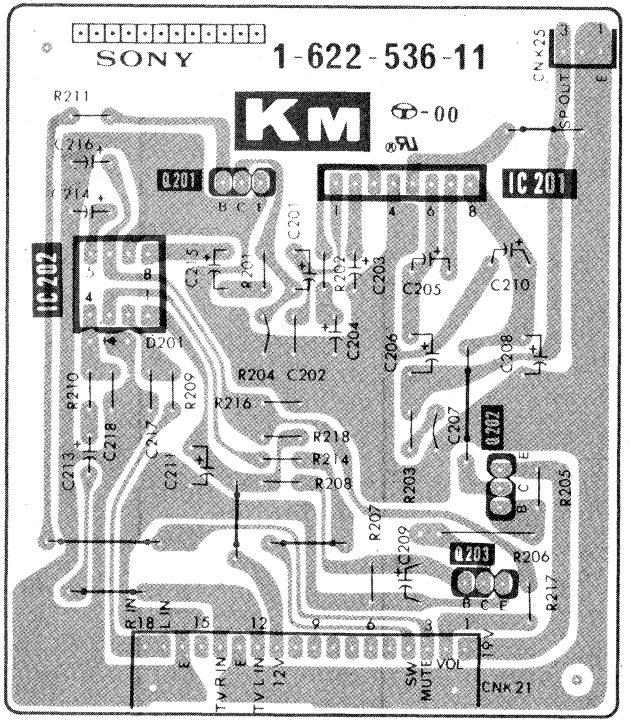
– J_1 Board –



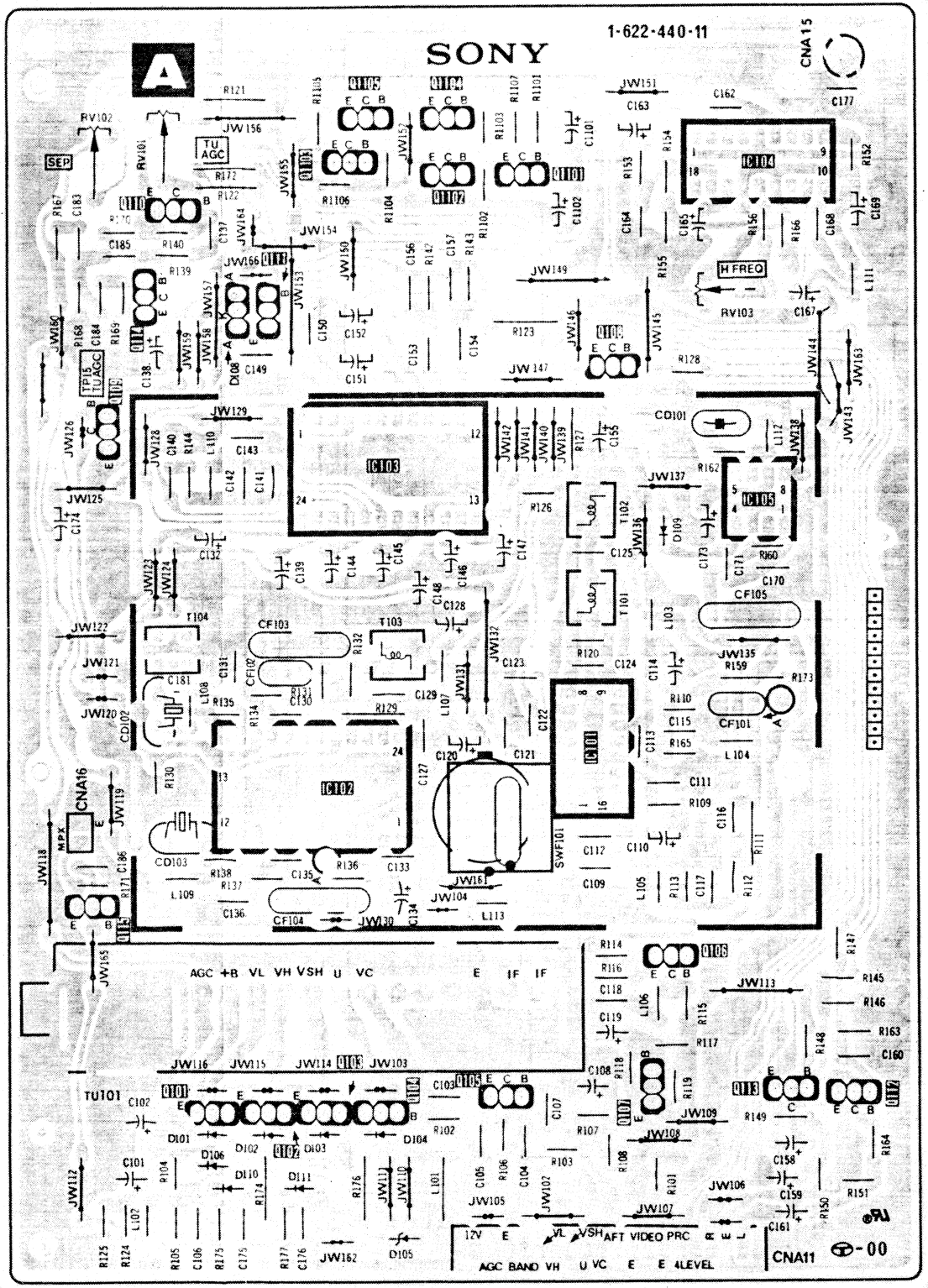
— B Board —



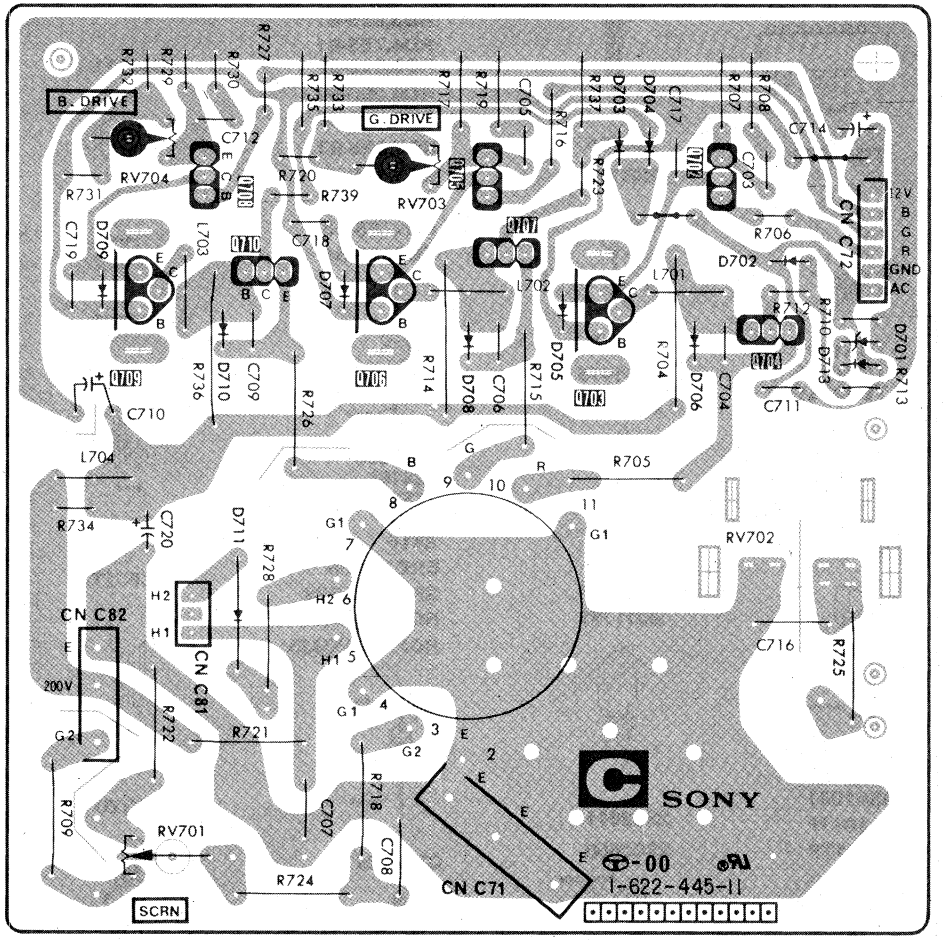
— KM Board —



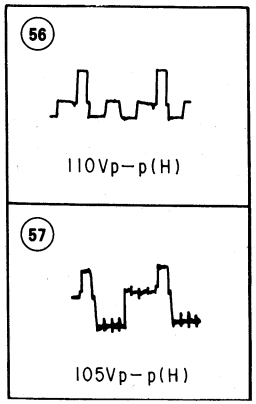
— A Board —

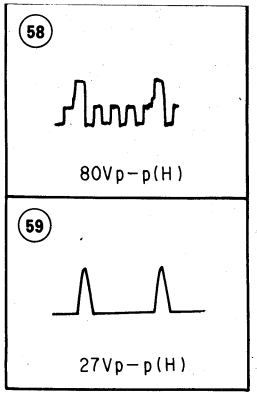


— C Board —



• G BOARD WAVEFORM



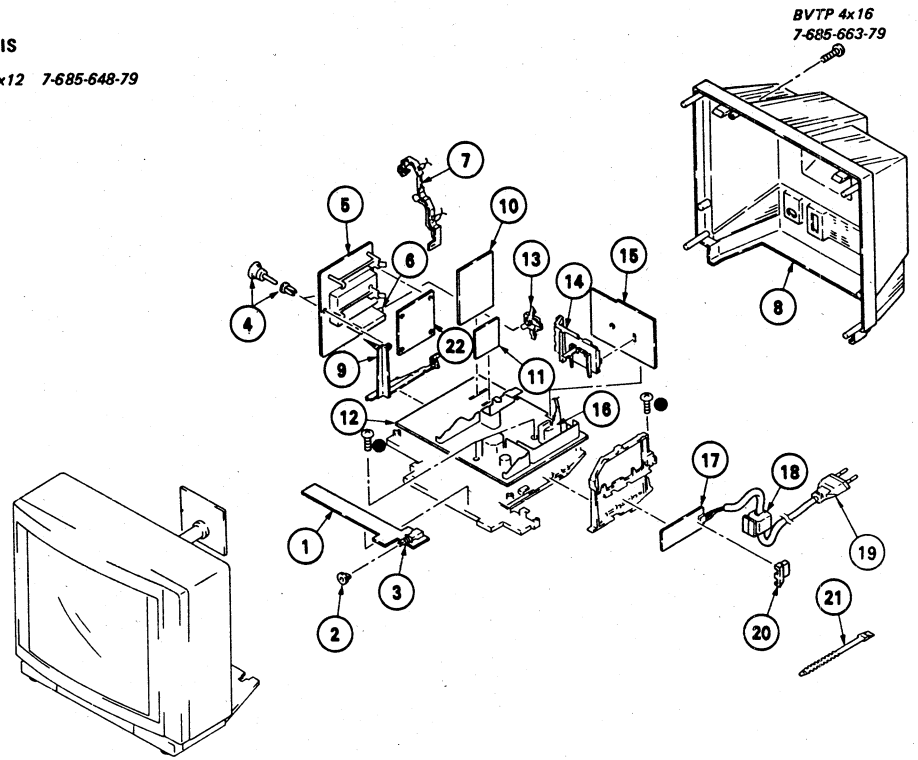


EXPLODED VIEWS

NOTE:
- Items with no part number and no description are not stocked because they are seldom required for routine service.
- The construction parts of an assembled part are indicated with a collation number in the remark column.
- Items marked " ★ " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

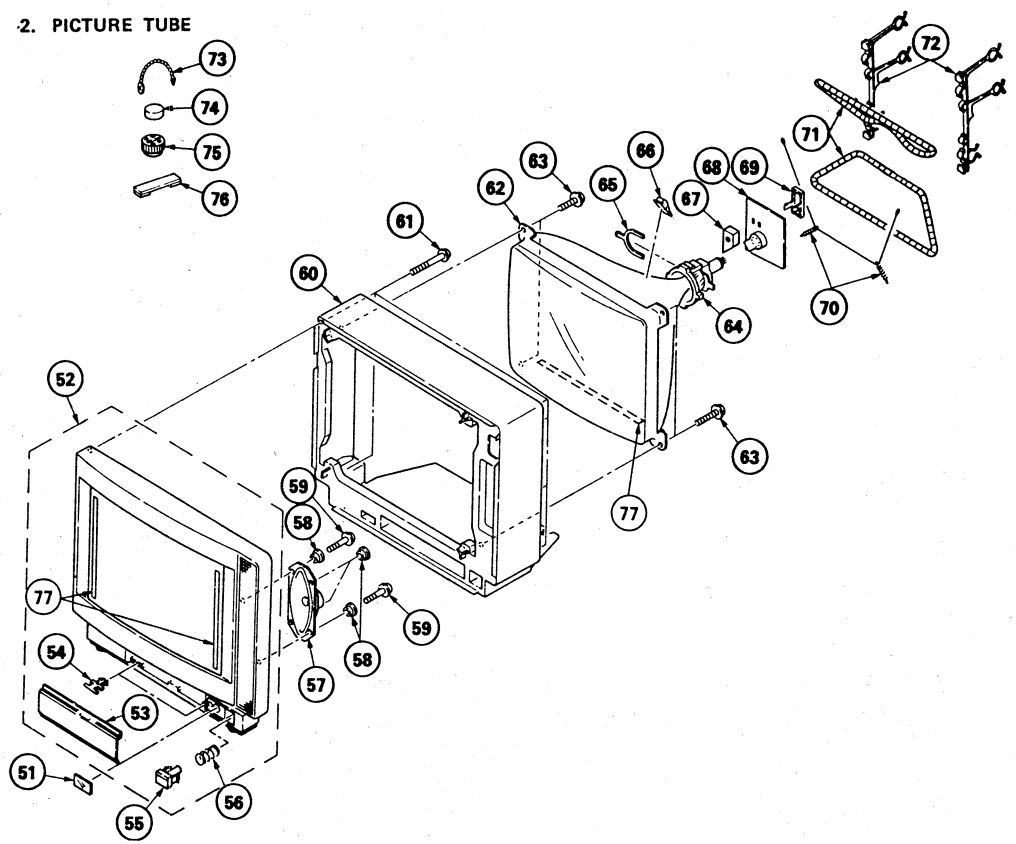
1. CHASSIS

● *BTVP 3x12 7-685-648-79*



No.	Part No.	Description	Remark
1	*1-622-535-11	H BOARD	
2	4-386-611-01	COVER, SWITCH	
3	⚠1-554-762-51	SWITCH, PUSH (AC POWER) (1 KEY)	
4	4-386-618-01	RIVET, T TYPE	
5	*A-1296-338-A	A BOARD, COMPLETE	
6	⚠1-463-881-11	TUNER, ET (UV-617)	
7	*4-386-628-01	SUPPORTER, PC BOARD	
8	4-386-635-01	COVER, REAR	
9	*4-386-629-01	BRACKET, A	
10	*A-1135-460-A	B BOARD, COMPLETE	
11	*1-622-536-11	KM BOARD	
12	*A-1345-721-A	D BOARD, COMPLETE	
13	*4-386-617-01	HOLDER, TERMINAL	
14	*4-386-624-01	BRACKET, J	
15	*A-1371-318-A	J1 BOARD, COMPLETE	
16	⚠1-439-416-11	TRANSFORMER ASSY, FLYBACK	
17	*1-622-446-11	F1 BOARD	
18	⚠4-022-115-01	HOLDER, AC CORD	
19	⚠1-559-346-11	CORD, POWER (WITH CONNECTOR)	
20	*4-386-620-01	COVER, POWER	
21	3-701-007-00	BAND, BINDING	
22	*A-1347-014-A	V BOARD, COMPLETE (KV-21XMTC ONLY)	

2. PICTURE TUBE



No.	Part No.	Description	Remark
51	4-386-616-01	WINDOW,ORNAMENTAL(KV-21XMC ONLY)	
	4-386-616-11	WINDOW,ORNAMENTAL(KV-21XMTC ONLY)	
52	X-4386-607-2	BEZEL ASSY	53,54,55,56,77
53	X-4386-601-1	DOOR ASSY, CONTROL	
54	3-662-365-00	SHAFT (S), DOOR	
55	4-386-615-01	BUTTON, POWER	
56	4-367-209-00	SPRING, COMPRESSION	
57	1-503-829-12	SPEAKER	58
58	*4-379-189-01	CUSHION, SPEAKER	
59	4-379-192-01	SCREW, TAPPING, STEP	
60	4-386-634-11	CABINET	
61	4-319-520-11	SCREW, SPECIAL (+PW4X30)	
62	⚠8-738-753-05	PICTURE TUBE (A51JUH60X)	
63	4-382-733-01	SCREW (S), PT	
64	⚠1-451-295-41	DEFLECTION YOKE (SY-153E)	
65	1-452-277-00	MAGNET, BMC	
66	3-703-961-01	SPACER, DY	
67	*4-379-167-01	COVER (MAIN), CV	
68	*A-1330-817-A	C BOARD, COMPLETE	
69	*4-379-160-01	COVER (REAR LID), CV	
70	4-369-318-00	SPRING, TENSION	
71	⚠1-426-326-11	COIL, DEMAGNETIZATION	
72	*4-386-622-01	BAND, DGC	
73	4-308-870-00	CLIP, LEAD WIRE	
74	1-452-032-00	MAGNET, DISK; 10MM ø	
75	1-452-094-00	MAGNET, ROTATABLE DISK; 15MM ø	
76	X-4309-608-0	PERMALLOY ASSY, CONVERGENCE	
77	4-386-645-01	CUSHION,PICTURE TUBE	

ELECTRICAL PARTS LIST

B

B F1

NOTE:

- Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.

CAPACITORS
- MF : μF, PF : μμF

RESISTORS
- All resistors are in ohms
- F : nonflammable

COILS
- MMH : mH, UH : μH

Ref.No.	Part No.	Description				Remark
	*A-1135-460-A	B BOARD, COMPLETE				
		**********				
		CAPACITOR				
C301	1-110-179-81	MYLAR	0.22MF	10%	100V	
C302	1-110-179-81	MYLAR	0.22MF	10%	100V	
C303	1-126-101-11	ELECT	100MF	20%	16V	
C304	1-110-179-81	MYLAR	0.22MF	10%	100V	
C305	1-124-119-00	ELECT	330MF	20%	16V	
C306	1-124-902-00	ELECT	0.47MF	20%	50V	
C307	1-124-902-00	ELECT	0.47MF	20%	50V	
C308	1-124-902-00	ELECT	0.47MF	20%	50V	
C309	1-124-902-00	ELECT	0.47MF	20%	50V	
C310	1-110-175-81	MYLAR	0.1MF	10%	100V	
C311	1-110-175-81	MYLAR	0.1MF	10%	100V	
C312	1-124-902-00	ELECT	0.47MF	20%	50V	
C313	1-124-902-00	ELECT	0.47MF	20%	50V	
C314	1-124-902-00	ELECT	0.47MF	20%	50V	
C315	1-124-499-11	ELECT	1MF	20%	50V	
C319	1-124-477-11	ELECT	47MF	20%	16V	
C321	1-102-980-00	CERAMIC	270PF	5%	50V	
C322	1-101-888-00	CERAMIC	68PF	5%	50V	
C325	1-124-477-11	ELECT	47MF	20%	16V	
C326	1-101-004-00	CERAMIC	0.01MF		50V	
C327	1-101-004-00	CERAMIC	0.01MF		50V	
C331	1-101-004-00	CERAMIC	0.01MF		50V	
C332	1-124-119-00	ELECT	330MF	20%	16V	
C333	1-101-005-00	CERAMIC	0.022MF		50V	
C335	1-101-006-00	CERAMIC	0.047MF		50V	
C336	1-110-190-81	MYLAR	0.01MF	10%	400V	
C337	1-101-004-00	CERAMIC	0.01MF		50V	
C346	1-102-074-00	CERAMIC	0.001MF	10%	50V	
C347	1-124-499-11	ELECT	1MF	20%	50V	
C349	1-136-173-00	FILM	0.47MF	5%	50V	
C350	1-110-171-81	MYLAR	0.047MF	10%	100V	
C352	1-110-182-81	MYLAR	0.022MF	10%	250V	
C360	1-101-004-00	CERAMIC	0.01MF		50V	
C365	1-124-477-11	ELECT	47MF	20%	16V	
C366	1-124-477-11	ELECT	47MF	20%	16V	
C367	1-101-004-00	CERAMIC	0.01MF		50V	
C368	1-101-880-00	CERAMIC	47PF	5%	50V	
C369	1-101-361-00	CERAMIC	150PF	5%	50V	
C381	1-124-902-00	ELECT	0.47MF	20%	50V	
C382	1-124-927-11	ELECT	4.7MF	20%	50V	
C384	1-124-477-11	ELECT	47MF	20%	16V	
C385	1-124-927-11	ELECT	4.7MF	20%	50V	
C387	1-124-902-00	ELECT	0.47MF	20%	50V	
C1311	1-101-884-00	CERAMIC	56PF	5%	50V	
		CONNECTOR				
CNB31	*1-562-370-21	CONNECTOR, BOARD TO BOARD 18P				
CNB72	*1-564-895-11	PLUG, CONNECTOR 6P				
CNB93	*1-560-278-00	PLUG, CONNECTOR 6P				

Ref.No.	Part No.	Description				Remark
		TRIMMER				
CT332	1-141-181-11	CAP, TRIMMER				
		DIODE				
D301	8-719-911-19	DIODE 1SS119				
D302	8-719-911-19	DIODE 1SS119				
D303	8-719-911-19	DIODE 1SS119				
D304	8-719-911-19	DIODE 1SS119				
D305	8-719-911-19	DIODE 1SS119				
D307	8-719-110-23	DIODE RD11ES-B3				
		DELAY LINE				
DL331	1-415-187-12	DELAY LINE				
		IC				
IC301	8-759-923-81	IC TDA4580				
IC302	8-759-941-98	IC TDA8442				
IC331	8-759-946-33	IC TDA4510-V4				
		COIL				
L301	1-410-868-21	MICRO INDUCTOR 4.7UH				
L302	1-410-868-21	MICRO INDUCTOR 4.7UH				
L303	1-410-469-21	MICRO INDUCTOR 8.2UH				
L304	1-410-470-11	MICRO INDUCTOR 10UH				
L331	1-410-469-21	MICRO INDUCTOR 8.2UH				
L332	1-404-539-11	COIL				
L339	1-410-868-21	MICRO INDUCTOR 4.7UH				
		TRANSISTOR				
Q302	8-729-178-54	TRANSISTOR 2SC2785				
Q303	8-729-178-54	TRANSISTOR 2SC2785				
Q305	8-729-900-36	TRANSISTOR DTC124ES				
Q311	8-729-178-54	TRANSISTOR 2SC2785				
Q312	8-729-178-54	TRANSISTOR 2SC2785				
Q313	8-729-178-54	TRANSISTOR 2SC2785				
Q316	8-729-178-54	TRANSISTOR 2SC2785				
Q334	8-729-178-54	TRANSISTOR 2SC2785				
Q336	8-729-178-54	TRANSISTOR 2SC2785				
Q381	8-729-900-36	TRANSISTOR DTC124ES				
Q382	8-729-178-54	TRANSISTOR 2SC2785				
Q1306	8-729-117-54	TRANSISTOR 2SA1175				
		RESISTOR				
R301	1-249-409-11	CARBON	220	5%	1/4W	
R302	1-249-409-11	CARBON	220	5%	1/4W	
R303	1-249-409-11	CARBON	220	5%	1/4W	
R304	1-249-409-11	CARBON	220	5%	1/4W	
R305	1-249-421-11	CARBON	2.2K	5%	1/4W	
R307	1-249-441-11	CARBON	100K	5%	1/4W	
R308	1-249-414-11	CARBON	560	5%	1/4W	
R309	1-249-405-11	CARBON	100	5%	1/4W	
R310	1-249-405-11	CARBON	100	5%	1/4W	
R311	1-249-405-11	CARBON	100	5%	1/4W	
R312	1-249-409-11	CARBON	220	5%	1/4W	
R313	1-249-441-11	CARBON	100K	5%	1/4W	
R314	1-249-413-11	CARBON	470	5%	1/4W	
R315	1-249-407-11	CARBON	150	5%	1/4W	
R316	1-249-407-11	CARBON	150	5%	1/4W	
R317	1-249-407-11	CARBON	150	5%	1/4W	
R318	1-249-429-11	CARBON	10K	5%	1/4W	
R319	1-249-409-11	CARBON	220	5%	1/4W	
R320	1-249-417-11	CARBON	1K	5%	1/4W	
R321	1-249-421-11	CARBON	2.2K	5%	1/4W	
R322	1-249-420-11	CARBON	1.8K	5%	1/4W	
R323	1-249-421-11	CARBON	2.2K	5%	1/4W	
R324	1-247-849-00	CARBON	5.6K	5%	1/4W	
R325	1-249-429-11	CARBON	10K	5%	1/4W	
R326	1-249-419-11	CARBON	1.5K	5%	1/4W	
R327	1-249-427-11	CARBON	6.8K	5%	1/4W	
R328	1-249-397-11	CARBON	22	5%	1/4W	
R329	1-249-397-11	CARBON	22	5%	1/4W	
R330	1-249-397-11	CARBON	22	5%	1/4W	
R331	1-249-418-11	CARBON	1.2K	5%	1/4W	
R333	1-249-412-11	CARBON	390	5%	1/4W	
R334	1-249-408-11	CARBON	180	5%	1/4W	
R337	1-215-438-00	CARBON	5.1K	5%	1/4W	
R338	1-249-429-11	CARBON	10K	5%	1/4W	
R345	1-249-437-11	CARBON	47K	5%	1/4W	
R346	1-249-419-11	CARBON	1.5K	5%	1/4W	
R347	1-249-429-11	CARBON	10K	5%	1/4W	
R349	1-249-415-11	CARBON	680	5%	1/4W	
R350	1-249-415-11	CARBON	680	5%	1/4W	
R351	1-249-410-11	CARBON	270	5%	1/4W	
R356	1-249-427-11	CARBON	6.8K	5%	1/4W	
R357	1-249-409-11	CARBON	220	5%	1/4W	
R358	1-249-409-11	CARBON	220	5%	1/4W	
R361	1-249-417-11	CARBON	1K	5%	1/4W	
R362	1-249-421-11	CARBON	2.2K	5%	1/4W	
R363	1-249-418-11	CARBON	1.2K	5%	1/4W	
R366	1-249-437-11	CARBON	47K	5%	1/4W	
R367	1-249-409-11	CARBON	220	5%	1/4W	
R368	1-247-752-11	CARBON	1K	5%	1/2W	
R369	1-247-752-11	CARBON	1K	5%	1/2W	
R376	1-249-429-11	CARBON	10K	5%	1/4W	
R378	1-249-441-11	CARBON	100K	5%	1/4W	
R379	1-249-441-11	CARBON	100K	5%	1/4W	
R380	1-247-849-00	CARBON	5.6K	5%	1/4W	
R381	1-249-439-11	CARBON	68K	5%	1/4W	
R382	1-247-885-00	CARBON	180K	5%	1/4W	
R383	1-215-483-00	CARBON	390K	5%	1/4W	
R385	1-249-435-11	CARBON	33K	5%	1/4W	
R389	1-247-883-00	CARBON	150K	5%	1/4W	
R391	1-249-404-00	CARBON	82	5%	1/4W	
R392	1-249-402-11	CARBON	56	5%	1/4W	

Ref.No.	Part No.	Description				Remark
R393	1-249-402-11	CARBON	56	5%	1/4W	
R394	1-249-402-11	CARBON	56	5%	1/4W	
R398	1-249-433-11	CARBON	22K	5%	1/4W	
R1324	1-249-419-11	CARBON	1.5K	5%	1/4W	
		VARIABLE RESISTOR				
RV331	1-230-504-11	RES, ADJ, CARBON 220				
		CRYSTAL				
X332	1-567-131-00	OSCILLATOR, CRYSTAL				
		YC MODULE				
YCM301	1-235-753-21	YC MODULE				
		**********				
	*1-622-446-11	F1 BOARD				
		********				
		CAPACITOR				
C1601⚠	1-136-518-11	FILM	0.33MF	20%	300V	
C1602⚠	1-136-519-11	FILM	0.47MF	20%	300V	
C1603⚠	1-162-578-51	CERAMIC	0.0047MF	20%	400V	
C1604⚠	1-162-578-51	CERAMIC	0.0047MF	20%	400V	
C1605⚠	1-162-578-51	CERAMIC	0.0047MF	20%	400V	
C1606⚠	1-162-578-51	CERAMIC	0.0047MF	20%	400V	
		CONNECTOR				
CNF61	*1-566-664-11	PIN, CONNECTOR 4P				
CNF64	*1-506-348-XX	3P PLUG (L)				
CNF65	*1-508-765-00	3P PLUG (M)				
CNF66	*1-508-786-00	2P PLUG (M)				
CNF67	*1-560-290-00	PLUG, CONNECTOR (2.5MM PITCH)				
CNF162	*1-506-347-21	4P PLUG				
		FUSE				
F1601⚠	1-532-350-11	FUSE, TIME-LAG 4A/250V				
	1-533-149-00	HOLDER, FUSE; F1601				
		TRANSFORMER				
LF1601⚠	1-421-866-12	LFT				
LF1602⚠	1-421-776-11	LFT				
		RESISTOR				
R1601⚠	1-247-879-91	CARBON	100K	5%	1/4W	
R1602⚠	1-244-945-91	CARBON	1M	5%	1/2W	
R1603⚠	1-217-328-11	WIREWOUND	2.7	10%	7W F	
R1604⚠	1-247-879-91	CARBON	100K	5%	1/4W	
R1605⚠	1-247-289-11	CARBON	8.2M	5%	1W	
R1606⚠	1-217-777-11	WIREWOUND	10Ω	10%	10W F	

F1 A A C

Ref.No.	Part No.	Description			Remark
		THERMISTOR			
THP601⚠	1-806-387-11	THERMISTOR (POSITIVE)			
**********					
	*A-1296-338-A	A BOARD, COMPLETE **********			
	*4-380-698-01	CASE (MAIN), SHIELD, A1			
	*4-380-699-01	CASE (UPPER LID), SHIELD, A1			
	*4-382-701-01	CASE (BOTTOM LID), SHIELD, A2			
		CAPACITOR			
C101	1-124-908-11	ELECT	22MF	20% 50V	
C102	1-126-103-11	ELECT	470MF	20% 16V	
C103	1-110-175-81	MYLAR	0.1MF	10% 100V	
C104	1-110-173-81	MYLAR	0.068MF	10% 100V	
C105	1-110-173-81	MYLAR	0.068MF	10% 100V	
C106	1-101-004-00	CERAMIC	0.01MF	50V	
C107	1-102-963-00	CERAMIC	33PF	5% 50V	
C108	1-124-963-11	ELECT	33MF	20% 16V	
C109	1-101-003-00	CERAMIC	0.0047MF	50V	
C110	1-124-499-11	ELECT	1MF	20% 50V	
C111	1-101-003-00	CERAMIC	0.0047MF	50V	
C112	1-101-003-00	CERAMIC	0.0047MF	50V	
C113	1-101-003-00	CERAMIC	0.0047MF	50V	
C114	1-124-963-11	ELECT	33MF	20% 16V	
C116	1-102-963-00	CERAMIC	33PF	5% 50V	
C119	1-126-101-11	ELECT	100MF	20% 16V	
C120	1-124-925-11	ELECT	2.2MF	20% 50V	
C121	1-101-003-00	CERAMIC	0.0047MF	50V	
C122	1-101-003-00	CERAMIC	0.0047MF	50V	
C123	1-101-003-00	CERAMIC	0.0047MF	50V	
C124	1-101-888-00	CERAMIC	68PF	5% 50V	
C125	1-101-888-00	CERAMIC	68PF	5% 50V	
C158	1-124-963-11	ELECT	33MF	20% 16V	
C160	1-110-171-81	MYLAR	0.047MF	10% 100V	
C161	1-126-101-11	ELECT	100MF	20% 16V	
C170	1-101-004-00	CERAMIC	0.01MF	50V	
C171	1-101-004-00	CERAMIC	0.01MF	50V	
C173	1-124-963-11	ELECT	33MF	20% 16V	
		FILTER			
CD101	1-404-751-11	DISCRIMINATOR, CERAMIC			
CF101	1-404-134-00	TRAP, CERAMIC (5.5MHZ)			
CF105	1-527-840-00	FILTER, CERAMIC			
SWF101	1-404-755-11	FILTER, SURFACE WAVE			
		CONNECTOR			
CNA11	*1-566-660-11	CONNECTOR, HINGE (PLUG) 18P			
		DIODE			
D105	8-719-109-92	DIODE RD6.2ES-B1			
D106	8-719-911-19	DIODE 1SS119			
D109	8-719-911-19	DIODE 1SS119			
		IC			
IC101	8-759-909-08	IC TDA3541			
IC105	8-759-003-90	IC TBA129			
		COIL			
L101	1-408-226-00	MICRO INDUCTOR 82UH			
L102	1-410-116-11	MICRO INDUCTOR 560UH			
L103	1-410-467-41	MICRO INDUCTOR 5.6UH			
L104	1-408-411-00	MICRO INDUCTOR 15UH			
L112	1-410-471-11	MICRO INDUCTOR 12UH			
L113	1-410-460-11	MICRO INDUCTOR 1.5UH			
		TRANSISTOR			
Q101	8-729-900-61	TRANSISTOR DTA114ES			
Q102	8-729-900-61	TRANSISTOR DTA114ES			
Q104	8-729-900-61	TRANSISTOR DTA114ES			
Q105	8-729-178-54	TRANSISTOR 2SC2785			
Q107	8-729-117-54	TRANSISTOR 2SA1175			
Q108	8-729-900-65	TRANSISTOR DTA144ES			
Q112	8-729-178-54	TRANSISTOR 2SC2785			
		RESISTOR			
R101	1-249-405-11	CARBON	100	5% 1/4W	
R102	1-249-423-11	CARBON	3.3K	5% 1/4W	
R103	1-249-433-11	CARBON	22K	5% 1/4W	
R104	1-249-429-11	CARBON	10K	5% 1/4W	
R105	1-249-418-11	CARBON	1.2K	5% 1/4W	
R106	1-247-891-00	CARBON	330K	5% 1/4W	
R107	1-249-421-11	CARBON	2.2K	5% 1/4W	
R108	1-249-421-11	CARBON	2.2K	5% 1/4W	
R109	1-249-423-11	CARBON	3.3K	5% 1/4W	
R110	1-249-411-11	CARBON	330	5% 1/4W	
R111	1-249-418-11	CARBON	1.2K	5% 1/4W	
R112	1-249-419-11	CARBON	1.5K	5% 1/4W	
R117	1-249-431-11	CARBON	15K	5% 1/4W	
R118	1-249-425-11	CARBON	4.7K	5% 1/4W	
R119	1-249-417-11	CARBON	1K	5% 1/4W	
R121	1-249-429-11	CARBON	10K	5% 1/4W	
R122	1-249-436-11	CARBON	39K	5% 1/4W	
R124	1-249-423-11	CARBON	3.3K	5% 1/4W	
R125	1-249-429-11	CARBON	10K	5% 1/4W	
R126	1-249-436-11	CARBON	39K	5% 1/4W	
R127	1-249-432-11	CARBON	18K	5% 1/4W	
R128	1-249-432-11	CARBON	18K	5% 1/4W	
R147	1-249-418-11	CARBON	1.2K	5% 1/4W	
R148	1-249-413-11	CARBON	470	5% 1/4W	
R151	1-249-421-11	CARBON	2.2K	5% 1/4W	
R159	1-249-417-11	CARBON	1K	5% 1/4W	
R160	1-249-417-11	CARBON	1K	5% 1/4W	
R162	1-249-415-11	CARBON	680	5% 1/4W	
R163	1-249-427-11	CARBON	6.8K	5% 1/4W	
R165	1-249-423-11	CARBON	3.3K	5% 1/4W	
		VARIABLE RESISTOR			
RV101	1-228-996-00	RES, ADJ, CARBON 47K			
		TRANSFORMER			
T101	1-404-493-00	COIL			
T102	1-404-493-00	COIL			
		TUNER			
TU101⚠	1-463-881-11	TUNER, ET (UV-617)			
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	*A-1330-817-A	C BOARD, COMPLETE **********			
	*4-379-160-01	COVER (REAR LID), CV			
	*4-379-167-01	COVER (MAIN), CV			
	*4-386-664-01	SPRING			
		CAPACITOR			
C703	1-102-980-00	CERAMIC	270PF	5% 50V	
C704	1-102-116-00	CERAMIC	680PF	10% 50V	
C705	1-102-976-00	CERAMIC	180PF	5% 50V	
C706	1-102-116-00	CERAMIC	680PF	10% 50V	
C707	1-162-116-00	CERAMIC	680PF	10% 2KV	
C708	1-162-114-00	CERAMIC	0.0047MF	2KV	
C709	1-102-116-00	CERAMIC	680PF	10% 50V	
C710	1-123-947-00	ELECT	10MF	20% 250V	
C711	1-101-880-00	CERAMIC	47PF	5% 50V	
C712	1-102-980-00	CERAMIC	270PF	5% 50V	
C714	1-124-555-00	ELECT	1000MF	20% 16V	
C716	1-162-583-11	CERAMIC	330PF	10% 400V	
C717	1-102-114-00	CERAMIC	470PF	10% 50V	
C718	1-102-114-00	CERAMIC	470PF	10% 50V	
C719	1-102-114-00	CERAMIC	470PF	10% 50V	
		CONNECTOR			
CNC71	*1-506-371-00	2P PLUG (L)			
CNC72	*1-564-883-11	PLUG, CONNECTOR 6P			
CNC81	*1-560-123-00	PLUG, CONNECTOR (2.5MM PITCH)			
CNC82	*1-508-765-00	3P PLUG (M)			
		DIODE			
D701	8-719-110-14	DIODE RD9.1ES-B3			
D702	8-719-911-19	DIODE 1SS119			
D703	8-719-911-19	DIODE 1SS119			
D704	8-719-911-19	DIODE 1SS119			
D705	8-719-911-19	DIODE 1SS119			
D706	8-719-911-19	DIODE 1SS119			
D707	8-719-911-19	DIODE 1SS119			
D708	8-719-911-19	DIODE 1SS119			
D709	8-719-911-19	DIODE 1SS119			
D710	8-719-911-19	DIODE 1SS119			
D711	8-719-924-06	DIODE ERC24-06S			
D713	8-719-911-19	DIODE 1SS119			
		JACK			
J701	1-526-798-25	SOCKET, CRT			
		COIL			
L704	1-410-878-21	MICRO INDUCTOR 33UH			
		TRANSISTOR			
Q702	8-729-178-54	TRANSISTOR 2SC2785			
Q703	8-729-326-11	TRANSISTOR 2SC2611			
Q704	8-729-200-17	TRANSISTOR 2SA1091			
Q705	8-729-178-54	TRANSISTOR 2SC2785			
Q706	8-729-326-11	TRANSISTOR 2SC2611			
Q707	8-729-200-17	TRANSISTOR 2SA1091			
Q708	8-729-178-54	TRANSISTOR 2SC2785			
Q709	8-729-326-11	TRANSISTOR 2SC2611			
Q710	8-729-200-17	TRANSISTOR 2SA1091			
		RESISTOR			
R704	1-216-486-00	METAL OXIDE	8.2K	5% 3W	F
R705	1-202-824-00	SOLID	3.3K	10% 1/2W	
R706	1-249-409-11	CARBON	220	5% 1/4W	
R707	1-247-822-00	CARBON	430	5% 1/4W	
R708	1-249-401-11	CARBON	47	5% 1/4W	
R709	1-202-844-00	SOLID	330K	10% 1/2W	
R710	1-215-469-00	METAL	100K	1% 1/6W	
R712	1-249-417-11	CARBON	1K	5% 1/4W	
R713	1-215-474-00	METAL	160K	1% 1/6W	
R714	1-216-486-00	METAL OXIDE	8.2K	5% 3W	F
R715	1-202-824-00	SOLID	3.3K	10% 1/2W	
R716	1-249-409-11	CARBON	220	5% 1/4W	
R717	1-249-415-11	CARBON	680	5% 1/4W	
R718	1-202-814-11	SOLID	33K	10% 1/2W	
R719	1-249-401-11	CARBON	47	5% 1/4W	
R720	1-249-423-11	CARBON	3.3K	5% 1/4W	
R721	1-202-842-11	SOLID	220K	10% 1/2W	
R722	1-202-848-00	SOLID	680K	10% 1/2W	
R723	1-249-417-11	CARBON	1K	5% 1/4W	
R724	1-202-846-00	SOLID	470K	10% 1/2W	
R725	1-202-838-00	SOLID	100K	10% 1/2W	
R726	1-202-824-00	SOLID	3.3K	10% 1/2W	
R727	1-249-409-11	CARBON	220	5% 1/4W	
R728	1-216-347-11	METAL OXIDE	0.68	5% 1W	F
R729	1-249-416-11	CARBON	820	5% 1/4W	
R730	1-249-401-11	CARBON	47	5% 1/4W	
R731	1-249-423-11	CARBON	3.3K	5% 1/4W	
R732	1-249-415-11	CARBON	680	5% 1/4W	
R733	1-249-415-11	CARBON	680	5% 1/4W	

Ref.No.	Part No.	Description				Remark
R734	1-249-405-11	CARBON	100	5%	1/4W	
R735	1-215-493-00	METAL	1M	1%	1/6W	
R736	1-216-486-00	METAL OXIDE	8.2K	5%	3W	F
R737	1-215-483-00	METAL	390K	1%	1/6W	
R739	1-249-417-11	CARBON	1K	5%	1/4W	

VARIABLE RESISTOR

RV701	1-226-114-00	RES, ADJ, METAL GLAZE 2.2M	
RV702	1-230-619-11	RES, ADJ, METAL GLAZE 110M	
RV703	1-237-749-11	RES, ADJ, CARBON 2200	
RV704	1-237-749-11	RES, ADJ, CARBON 2200	

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*A-1345-721-A D BOARD, COMPLETE
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CAPACITOR

C001	1-102-973-00	CERAMIC	100PF	5%	50V	
C002	1-102-116-00	CERAMIC	680PF	10%	50V	
C003	1-110-175-81	MYLAR	0.1MF	10%	100V	
C004	1-123-875-11	ELECT	10MF	20%	50V	
C005	1-102-074-00	CERAMIC	0.001MF	10%	50V	
C007	1-110-171-81	MYLAR	0.047MF	10%	100V	
C008	1-101-880-00	CERAMIC	47PF	5%	50V	
C009	1-101-884-00	CERAMIC	56PF	5%	50V	
C010	1-126-101-11	ELECT	100MF	20%	16V	
C011	1-101-004-00	CERAMIC	0.01MF		50V	
C012	1-126-101-11	ELECT	100MF	20%	16V	
C013	1-101-004-00	CERAMIC	0.01MF		50V	
C014	1-124-463-00	ELECT	0.1MF	20%	50V	
C015	1-126-101-11	ELECT	100MF	20%	16V	
C016	1-101-004-00	CERAMIC	0.01MF		50V	
C017	1-123-875-11	ELECT	10MF	20%	50V	
C018	1-102-980-00	CERAMIC	270PF	5%	50V	
C019	1-110-171-81	MYLAR	0.047MF	10%	100V	
C021	1-102-973-00	CERAMIC	100PF	5%	50V	
C022	1-124-477-11	ELECT	47MF	20%	16V	
C024	1-124-499-11	ELECT	1MF	20%	50V	
C025	1-102-125-00	CERAMIC	0.0047MF	10%	50V	
C026	1-102-125-00	CERAMIC	0.0047MF	10%	50V	
C027	1-110-175-81	MYLAR	0.1MF	10%	100V	
C028	1-101-361-00	CERAMIC	150PF	5%	50V	
C029	1-102-121-00	CERAMIC	0.0022MF	10%	50V	
C030	1-102-953-00	CERAMIC	18PF	5%	50V	
C251	1-124-927-11	ELECT	4.7MF	20%	50V	
C252	1-124-927-11	ELECT	4.7MF	20%	50V	
C253	1-124-122-11	ELECT	100MF	20%	50V	
C254	1-124-927-11	ELECT	4.7MF	20%	50V	
C255	1-124-927-11	ELECT	4.7MF	20%	50V	
C256	1-110-175-81	MYLAR	0.1MF	10%	100V	
C257	1-101-004-00	CERAMIC	0.01MF		50V	
C258	1-110-175-81	MYLAR	0.1MF	10%	100V	
C260	1-110-175-81	MYLAR	0.1MF	10%	100V	

Ref.No.	Part No.	Description				Remark
C265	1-102-074-00	CERAMIC	0.001MF	10%	50V	
C266	1-102-074-00	CERAMIC	0.001MF	10%	50V	
C401	1-124-477-11	ELECT	47MF	20%	16V	
C403	1-124-477-11	ELECT	47MF	20%	16V	
C501	1-124-927-11	ELECT	4.7MF	20%	50V	
C502	1-124-927-11	ELECT	4.7MF	20%	50V	
C503	1-110-192-81	MYLAR	0.015MF	10%	400V	
C504	1-101-361-00	CERAMIC	150PF	5%	50V	
C505	1-108-794-91	MYLAR	0.0015MF	5%	50V	
C506	1-110-182-81	MYLAR	0.022MF	10%	250V	
C507	1-110-327-81	MYLAR	0.33MF	10%	100V	
C508	1-110-182-81	MYLAR	0.022MF	10%	250V	
C509	1-110-175-81	MYLAR	0.1MF	10%	100V	
C510	1-161-959-00	CERAMIC	22PF	10%	500V	
C511	1-108-620-91	MYLAR	0.0033MF	10%	100V	
C512	1-110-175-81	MYLAR	0.1MF	10%	100V	
C513	1-108-614-91	MYLAR	0.001MF	10%	100V	
C514	1-110-179-81	MYLAR	0.22MF	10%	100V	
C515	1-124-499-11	ELECT	1MF	20%	50V	
C516	1-108-614-91	MYLAR	0.001MF	10%	100V	
C517	1-124-252-00	ELECT	0.33MF	20%	50V	
C518	1-124-902-00	ELECT	0.47MF	20%	50V	
C519	1-136-173-00	FILM	0.47MF	5%	50V	
C520	1-102-121-00	CERAMIC	0.0022MF	10%	50V	
C521	1-110-175-81	MYLAR	0.1MF	10%	100V	
C522	1-124-122-11	ELECT	100MF	20%	50V	
C523	1-108-614-91	MYLAR	0.001MF	10%	100V	
C524	1-106-184-00	MYLAR	0.0033MF	5%	50V	
C525	1-102-973-00	CERAMIC	100PF	5%	50V	
C527	1-110-175-81	MYLAR	0.1MF	10%	100V	
C531	1-124-117-00	ELECT	680MF	10%	25V	
C532	1-124-122-11	ELECT	100MF	20%	50V	
C533	1-110-173-81	MYLAR	0.068MF	10%	100V	
C534	1-124-120-11	ELECT	220MF	20%	16V	
C536	1-131-363-00	TANTALUM	4.7MF	10%	16V	
C537	1-124-499-11	ELECT	1MF	20%	50V	
C538	1-108-614-91	MYLAR	0.001MF	10%	100V	
C539	1-102-820-00	CERAMIC	330PF	5%	50V	
C591	1-123-875-11	ELECT	10MF	20%	50V	
C592	1-124-477-11	ELECT	47MF	20%	16V	
C593	1-102-820-00	CERAMIC	330PF	5%	50V	
C601	1-161-964-00	CERAMIC	0.0047MF		250V	
C602	1-161-964-00	CERAMIC	0.0047MF		250V	
C603	1-161-964-00	CERAMIC	0.0047MF		250V	
C604	1-125-318-00	ELECT(BLOCK)	220MF	20%	400V	
C605	1-124-122-11	ELECT	100MF	20%	50V	
C606	1-110-175-81	MYLAR	0.1MF	10%	100V	
C607	1-130-019-00	FILM	0.0012MF	5%	50V	
C608	1-123-875-11	ELECT	10MF	20%	50V	
C611	1-124-122-11	ELECT	100MF	20%	50V	
C612	1-162-115-00	CERAMIC	330PF	10%	2KV	
C613	1-136-088-00	FILM	0.0022MF	3%	2KV	
C614	1-102-030-00	CERAMIC	330PF	10%	500V	

Ref.No.	Part No.	Description				Remark
C615	1-124-557-11	ELECT	1000MF	20%	25V	
C616	1-102-030-00	CERAMIC	330PF	10%	500V	
C618	1-124-637-11	ELECT	1000MF	20%	50V	
C619	1-124-556-11	ELECT	2200MF	20%	16V	
C620	1-102-074-00	CERAMIC	0.001MF	10%	50V	
C621	1-124-347-00	ELECT	100MF	20%	160V	
C622	1-124-556-11	ELECT	2200MF	20%	16V	
C623	1-124-910-11	ELECT	47MF	20%	50V	
C624	1-124-122-11	ELECT	100MF	20%	50V	
C625	1-124-555-00	ELECT	1000MF	20%	16V	
C626	1-123-875-11	ELECT	10MF	20%	50V	
C627	1-102-074-00	CERAMIC	0.001MF	10%	50V	
C628	1-124-555-00	ELECT	1000MF	20%	16V	
C628A	1-126-101-11	ELECT	100MF	20%	16V	
C631	1-124-927-11	ELECT	4.7MF	20%	50V	
C632	1-102-074-00	CERAMIC	0.001MF	10%	50V	
C633	1-124-927-11	ELECT	4.7MF	20%	50V	
C636	1-123-258-91	ELECT	3.3MF	20%	50V	
C801	1-126-105-11	ELECT	1000MF	20%	35V	
C802	1-102-030-00	CERAMIC	330PF	10%	500V	
C804	1-123-948-00	ELECT	22MF	20%	250V	
C805	1-162-114-00	CERAMIC	0.0047MF		2KV	
C806	1-110-175-81	MYLAR	0.1MF	10%	100V	
C807	1-106-395-00	MYLAR	0.15MF	10%	200V	
C810	1-123-024-00	ELECT	33MF		160V	
C811	1-136-116-00	FILM	1MF	5%	200V	
C812	1-123-943-00	ELECT	1MF	20%	250V	
C813	1-102-212-00	CERAMIC	820PF	10%	500V	
C814	1-161-731-00	CERAMIC	0.001MF	10%	2KV	
C815	1-136-116-00	FILM	1MF	5%	200V	
C817	1-136-549-11	FILM	0.0106MF	3%	1.4KV	
C818	1-129-721-00	FILM	0.039MF	10%	630V	
C819	⚠1-161-731-11	CERAMIC	0.001MF	10%	2KV	
C820	1-110-189-81	MYLAR	0.0082MF	10%	400V	
C821	⚠1-162-116-51	CERAMIC	680PF	10%	2KV	
C822	1-102-114-00	CERAMIC	470PF	10%	50V	
C823	1-110-186-81	MYLAR	0.0047MF	10%	400V	
C824	1-102-212-00	CERAMIC	820PF	10%	500V	
C825	1-110-182-81	MYLAR	0.022MF	10%	250V	
C826	1-123-875-11	ELECT	10MF	20%	50V	

FILTER

CF001	1-567-686-11	OSCILLATOR, CERAMIC
CF501	1-567-888-11	OSCILLATOR, CERAMIC

CONNECTOR

CN801	*1-508-765-00	3P PLUG (M)
CN001	*1-564-884-11	PLUG, CONNECTOR 7P
CN002	*1-564-886-11	PLUG, CONNECTOR 9P
CN011	*1-566-659-11	CONNECTOR, HINGE (SOCKET) 18P
CN012	*1-564-880-31	PLUG, CONNECTOR 3P
CN021	*1-564-346-00	CONNECTOR, BOARD TO BOARD 18P
CN023	*1-560-124-00	PLUG, CONNECTOR (2.5MM PITCH)

Ref.No.	Part No.	Description	Remark
CN031	*1-564-346-00	CONNECTOR, BOARD TO BOARD 18P	
CN041	*1-566-367-11	CONNECTOR, HINGE (RECEPTACLE)	
CN051	*1-566-367-11	CONNECTOR, HINGE (RECEPTACLE)	
CN064	*1-506-348-XX	3P PLUG (L)	
CN068	*1-564-879-11	PLUG, CONNECTOR 2P	
CN082	*1-508-765-00	3P PLUG (M)	
CN083	*1-508-786-00	2P PLUG (M)	
CN084	*1-564-038-00	CONNECTOR PLUG, DY (MINI) 6P	
CN091	*1-560-123-00	PLUG, CONNECTOR (2.5MM) 3P	
CN092	*1-560-125-00	PLUG, CONNECTOR (2.5MM) 5P	
CN094	*1-560-123-00	PLUG, CONNECTOR (2.5MM PITCH)	

DIODE

D001	8-719-911-19	DIODE 1SS119	
D002	8-719-911-19	DIODE 1SS119	
D003	8-719-911-19	DIODE 1SS119	
D004	8-719-911-19	DIODE 1SS119	
D005	8-719-102-60	DIODE RD3.9ES-B1	
D007	8-719-109-89	DIODE RD5.6ES-B2	
D008	8-719-110-85	DIODE RD36ES-B4	
D009	8-719-109-89	DIODE RD5.6ES-B2	
D011	8-719-911-19	DIODE 1SS119	
D013	8-719-911-19	DIODE 1SS119	
D254	8-719-110-14	DIODE RD9.1ES-B3	
D501	8-719-911-19	DIODE 1SS119	
D504	8-719-911-55	DIODE U05G	
D506	8-719-000-12	DIODE MC931	
D508	8-719-911-19	DIODE 1SS119	
D511	8-719-911-55	DIODE U05G	
D512	8-719-911-55	DIODE U05G	
D513	8-719-109-81	DIODE RD4.7ES-B2	
D591	8-719-911-19	DIODE 1SS119	
D592	8-719-911-19	DIODE 1SS119	
D593	8-719-911-19	DIODE 1SS119	
D601	8-719-946-90	DIODE KBU4JL-6088	
D602	8-719-924-06	DIODE ERC24-06S	
D603	8-719-911-55	DIODE U05G	
D604	8-719-911-55	DIODE U05G	
D605	8-719-911-55	DIODE U05G	
D606	8-719-924-06	DIODE ERC24-06S	
D607	8-719-924-06	DIODE ERC24-06S	
D608	8-719-925-06	DIODE ERC25-06S	
D610	8-719-300-59	DIODE CTU-12S	
D611	8-719-928-08	DIODE ERD28-08S	
D612	8-719-300-59	DIODE CTU-12S	
D613	8-719-924-06	DIODE ERC24-06S	
D614	8-719-924-06	DIODE ERC24-06S	
D615	8-719-109-90	DIODE RD5.6ES-B3	
D616	8-719-109-93	DIODE RD6.2ES-B2	
D617	8-719-109-93	DIODE RD6.2ES-B2	
D618	8-719-109-89	DIODE RD5.6ES-B2	
D619	8-719-109-89	DIODE RD5.6ES-B2	
D620	8-719-000-12	DIODE MC931	

D

Ref.No.	Part No.	Description	Remark
D621	8-719-000-12	DIODE MC931	
D622	8-719-911-19	DIODE 1SS119	
D623	8-719-911-19	DIODE 1SS119	
D624	8-719-911-19	DIODE 1SS119	
D627	8-719-911-19	DIODE 1SS119	
D630	8-719-110-39	DIODE RD15ES-B1	
D632	8-719-110-16	DIODE RD10ES-B1	
D633	8-719-911-19	DIODE 1SS119	
D801	8-719-924-06	DIODE ERC24-06S	
D802	8-719-924-06	DIODE ERC24-06S	
D803	8-719-300-65	DIODE ES1F	
D804	8-719-911-55	DIODE U05G	
D805	8-719-911-55	DIODE U05G	
D806	8-719-945-80	DIODE ERC06-15S	
D808	8-719-928-08	DIODE ERD28-08S	
D809	8-719-924-06	DIODE ERC24-06S	
		IC	
IC001	8-759-630-06	IC M50436-614SP	
IC002	8-759-970-37	IC MB88503H-565G	
IC003	8-759-603-41	IC M58655P	
IC004	8-759-157-40	IC UPC574J	
IC251	8-759-803-31	IC LA4280	
	*4-368-683-01	SPRING; IC251	
IC401	8-752-006-10	IC CX20061	
IC501	8-759-942-15	IC TEA2028A	
IC502	8-759-944-57	IC TDA8170	
IC601	8-759-946-23	IC TEA2164	
	*4-386-642-01	HEAT SINK, IC; IC601	
		COIL	
L001	1-410-475-21	MICRO INDUCTOR 27UH	
L501	1-408-225-00	MICRO INDUCTOR 3.3UH	
L601	*1-420-872-00	COIL, AIR CORE	
L602	1-410-396-41	FERRITE BEAD INDUCTOR	
L603	1-410-396-41	FERRITE BEAD INDUCTOR	
L605	1-459-442-00	COIL (WITH CORE)	
L606	1-421-013-00	COIL, (HOLIZONTAL CHOKE) 25UH	
L607	1-410-482-31	MICRO INDUCTOR 100UH	
L803	1-459-104-00	COIL, DUST CORE	
L804	1-408-239-00	MICRO INDUCTOR 4.7MMH	
L805	1-459-652-11	HLC	
L806	1-459-115-00	COIL, DCC-H	
L807	1-408-242-00	MICRO INDUCTOR 10MMH	
L809	*1-420-872-00	COIL, AIR CORE	
L810	1-459-390-00	COIL (WITH CORE)	
		IC LINK	
PS601⚠	1-532-984-91	LINK, IC	
PS602⚠	1-532-675-91	LINK, IC	

Ref.No.	Part No.	Description	Remark
		TRANSISTOR	
Q001	8-729-178-54	TRANSISTOR 2SC2785	
Q002	8-729-117-54	TRANSISTOR 2SA1175	
Q003	8-729-117-54	TRANSISTOR 2SA1175	
Q004	8-729-117-54	TRANSISTOR 2SA1175	
Q252	8-729-900-36	TRANSISTOR DTC124ES	
Q501	8-729-117-54	TRANSISTOR 2SA1175	
Q502	8-729-117-54	TRANSISTOR 2SA1175	
Q503	8-729-178-54	TRANSISTOR 2SC2785	
Q505	8-729-177-43	TRANSISTOR 2SD774	
Q506	8-729-103-43	TRANSISTOR 2SB734	
Q507	8-729-117-54	TRANSISTOR 2SA1175	
Q591	8-729-178-54	TRANSISTOR 2SC2785	
Q598	8-729-178-54	TRANSISTOR 2SC2785	
Q601	8-729-904-32	TRANSISTOR 2SB1185-E	
Q602	8-729-209-02	TRANSISTOR 2SD1548-LB	
	*4-368-683-01	SPRING; Q602	
Q603	8-729-904-32	TRANSISTOR 2SB1185-E	
Q604	8-729-308-92	TRANSISTOR 2SD789-03	
Q605	8-729-178-54	TRANSISTOR 2SC2785	
Q606	8-729-178-54	TRANSISTOR 2SC2785	
Q607	8-729-904-27	TRANSISTOR 2SD1761-E	
Q608	8-729-904-27	TRANSISTOR 2SD1761-E	
	*4-368-683-01	SPRING; Q608	
Q609	8-729-308-92	TRANSISTOR 2SD789-03	
Q801	8-729-178-54	TRANSISTOR 2SC2785	
Q804	8-729-304-50	TRANSISTOR 2SD1941-06	
	*4-368-683-01	SPRING; Q804	
Q805	8-729-168-82	TRANSISTOR 2SC2688	

Ref.No.	Part No.	Description				Remark
		RESISTOR				
R001	1-249-417-11	CARBON	1K	5%	1/4W	
R002	1-249-417-11	CARBON	1K	5%	1/4W	
R003	1-249-417-11	CARBON	1K	5%	1/4W	
R004	1-249-417-11	CARBON	1K	5%	1/4W	
R005	1-249-411-11	CARBON	330	5%	1/4W	
R006	1-249-417-11	CARBON	1K	5%	1/4W	
R007	1-249-405-11	CARBON	100	5%	1/4W	
R008	1-249-417-11	CARBON	1K	5%	1/4W	
R009	1-249-417-11	CARBON	1K	5%	1/4W	
R010	1-249-413-11	CARBON	470	5%	1/4W	
R011	1-249-417-11	CARBON	1K	5%	1/4W	
R012	1-249-417-11	CARBON	1K	5%	1/4W	
R013	1-249-417-11	CARBON	1K	5%	1/4W	
R014	1-249-417-11	CARBON	1K	5%	1/4W	
R016	1-249-429-11	CARBON	10K	5%	1/4W	
R017	1-249-417-11	CARBON	1K	5%	1/4W	
R018	1-249-417-11	CARBON	1K	5%	1/4W	
R019	1-249-433-11	CARBON	22K	5%	1/4W	
R020	1-249-433-11	CARBON	22K	5%	1/4W	
R021	1-249-433-11	CARBON	22K	5%	1/4W	
R022	1-249-433-11	CARBON	22K	5%	1/4W	

D

Ref.No.	Part No.	Description				Remark
R023	1-249-429-11	CARBON	10K	5%	1/4W	
R024	1-249-429-11	CARBON	10K	5%	1/4W	
R025	1-249-417-11	CARBON	1K	5%	1/4W	
R030	1-249-425-11	CARBON	4.7K	5%	1/4W	
R031	1-249-429-11	CARBON	10K	5%	1/4W	
R032	1-249-417-11	CARBON	1K	5%	1/4W	
R033	1-249-413-11	CARBON	470	5%	1/4W	
R034	1-249-413-11	CARBON	470	5%	1/4W	
R035	1-249-431-11	CARBON	15K	5%	1/4W	
R036	1-249-421-11	CARBON	2.2K	5%	1/4W	
R037	1-249-417-11	CARBON	1K	5%	1/4W	
R038	1-249-417-11	CARBON	1K	5%	1/4W	
R039	1-249-417-11	CARBON	1K	5%	1/4W	
R040	1-249-417-11	CARBON	1K	5%	1/4W	
R041	1-249-417-11	CARBON	1K	5%	1/4W	
R042	1-249-417-11	CARBON	1K	5%	1/4W	
R043	1-249-417-11	CARBON	1K	5%	1/4W	
R044	1-249-429-11	CARBON	10K	5%	1/4W	
R045	1-249-417-11	CARBON	1K	5%	1/4W	
R046	1-249-429-11	CARBON	10K	5%	1/4W	
R048	1-249-417-11	CARBON	1K	5%	1/4W	
R049	1-249-417-11	CARBON	1K	5%	1/4W	
R050	1-249-433-11	CARBON	22K	5%	1/4W	
R051	1-249-429-11	CARBON	10K	5%	1/4W	
R052	1-249-439-11	CARBON	68K	5%	1/4W	
R053	1-249-437-11	CARBON	47K	5%	1/4W	
R054	1-249-417-11	CARBON	1K	5%	1/4W	
R055	1-249-433-11	CARBON	22K	5%	1/4W	
R057	1-249-409-11	CARBON	220	5%	1/4W	
R058	1-249-409-11	CARBON	220	5%	1/4W	
R061	1-249-417-11	CARBON	1K	5%	1/4W	
R062	1-249-411-11	CARBON	330	5%	1/4W	
R063	1-249-431-11	CARBON	15K	5%	1/4W	
R064	1-249-429-11	CARBON	10K	5%	1/4W	
R067	1-249-413-11	CARBON	470	5%	1/4W	
R068	1-249-421-11	CARBON	2.2K	5%	1/4W	
R069	1-249-423-11	CARBON	3.3K	5%	1/4W	
R070	1-249-417-11	CARBON	1K	5%	1/4W	
R071	1-249-417-11	CARBON	1K	5%	1/4W	
R072	1-249-417-11	CARBON	1K	5%	1/4W	
R073	1-249-417-11	CARBON	1K	5%	1/4W	
R074	1-249-417-11	CARBON	1K	5%	1/4W	
R077	1-249-413-11	CARBON	470	5%	1/4W	
R078	1-249-423-11	CARBON	3.3K	5%	1/4W	
R079	1-249-435-11	CARBON	33K	5%	1/4W	
R080	1-249-429-11	CARBON	10K	5%	1/4W	
R081	1-249-441-11	CARBON	100K	5%	1/4W	
R083	1-249-429-11	CARBON	10K	5%	1/4W	
R084	1-249-413-11	CARBON	470	5%	1/4W	
R085	1-249-429-11	CARBON	10K	5%	1/4W	
R086	1-249-417-11	CARBON	1K	5%	1/4W	
R087	1-249-417-11	CARBON	1K	5%	1/4W	
R088	1-249-425-11	CARBON	4.7K	5%	1/4W	

Ref.No.	Part No.	Description				Remark
R090	1-249-413-11	CARBON	470	5%	1/4W	
R091	1-249-409-11	CARBON	220	5%	1/4W	
R093	1-249-429-11	CARBON	10K	5%	1/4W	
R094	1-249-429-11	CARBON	10K	5%	1/4W	
R095	1-249-409-11	CARBON	220	5%	1/4W	
R096	1-249-409-11	CARBON	220	5%	1/4W	
R097	1-249-429-11	CARBON	10K	5%	1/4W	
R098	1-249-429-11	CARBON	10K	5%	1/4W	
R099	1-215-900-11	METAL OXIDE	22K	5%	2W	F
R251	1-249-417-11	CARBON	1K	5%	1/4W	
R252	1-249-413-11	CARBON	470	5%	1/4W	
R253	1-249-413-11	CARBON	470	5%	1/4W	
R255	1-249-385-11	CARBON	2.2	5%	1/4W	F
R256	1-249-385-11	CARBON	2.2	5%	1/4W	F
R260	1-249-393-11	CARBON	10	5%	1/4W	
R261	1-249-429-11	CARBON	10K	5%	1/4W	
R262	1-249-413-11	CARBON	470	5%	1/4W	
R263	1-249-421-11	CARBON	2.2K	5%	1/4W	
R264	1-249-421-11	CARBON	2.2K	5%	1/4W	
R265	1-249-425-11	CARBON	4.7K	5%	1/4W	
R266	1-249-425-11	CARBON	4.7K	5%	1/4W	
R401	1-249-434-11	CARBON	27K	5%	1/4W	
R402	1-249-435-11	CARBON	33K	5%	1/4W	
R410	1-249-413-11	CARBON	470	5%	1/4W	
R411	1-249-413-11	CARBON	470	5%	1/4W	
R412	1-249-413-11	CARBON	470	5%	1/4W	
R500	1-215-487-00	CARBON	560K	5%	1/4W	
R501	1-249-413-11	CARBON	470	5%	1/4W	
R502	1-249-409-11	CARBON	220	5%	1/4W	
R503	1-249-410-11	CARBON	270	5%	1/4W	
R504	1-215-427-00	METAL	1.8K	1%	1/6W	
R505	1-249-431-11	CARBON	15K	5%	1/4W	
R506	1-249-428-11	CARBON	8.2K	5%	1/4W	
R507	1-247-891-00	CARBON	330K	5%	1/4W	
R508	1-247-849-00	CARBON	5.6K	5%	1/4W	
R509	1-249-424-11	CARBON	3.9K	5%	1/4W	
R510	1-247-849-00	CARBON	5.6K	5%	1/4W	
R511	1-249-429-11	CARBON	10K	5%	1/4W	
R512	1-247-891-00	CARBON	330K	5%	1/4W	
R513	1-249-429-11	CARBON	10K	5%	1/4W	
R514	1-249-409-11	CARBON	220	5%	1/4W	
R515	1-249-423-11	CARBON	3.3K	5%	1/4W	
R516	1-249-408-11	CARBON	180	5%	1/4W	
R517	1-249-429-11	CARBON	10K	5%	1/4W	
R518	1-249-437-11	CARBON	47K	5%	1/4W	
R519	1-249-433-11	CARBON	22K	5%	1/4W	
R520	1-249-411-11	CARBON	330	5%	1/4W	
R521	1-249-405-11	CARBON	100	5%	1/4W	
R522	1-215-469-00	METAL	100K	1%	1/6W	
R523	1-249-417-11	CARBON	1K	5%	1/4W	
R524	1-249-421-11	CARBON	2.2K	5%	1/4W	
R525	1-249-417-11	CARBON	1K	5%	1/4W	
R526	1-249-409-11	CARBON	220	5%	1/4W	F

D

Ref.No.	Part No.	Description				Remark
R527	1-249-431-11	CARBON	15K	5%	1/4W	
R528	1-249-408-11	CARBON	180	5%	1/4W	
R529	1-249-427-11	CARBON	6.8K	5%	1/4W	
R530	1-249-448-11	CARBON	1.2	5%	1/4W	F
R533	1-249-408-11	CARBON	180	5%	1/4W	
R534	1-215-491-00	CARBON	820K	5%	1/4W	
R535	1-249-753-15	CARBON	4.7M	5%	1/4W	
R536	1-249-749-00	CARBON	2.2M	5%	1/4W	
R537	1-249-434-11	CARBON	27K	5%	1/4W	
R538	1-247-883-00	CARBON	150K	5%	1/4W	
R539	1-247-883-00	CARBON	150K	5%	1/4W	
R540	1-249-399-11	CARBON	33	5%	1/4W	
R541	1-249-438-11	CARBON	56K	5%	1/4W	
R542	1-249-425-11	CARBON	4.7K	5%	1/4W	
R543	1-215-088-00	METAL	2.2	5%	1/4W	
R544	1-247-745-11	CARBON	330	5%	1/2W	
R545	1-249-436-11	CARBON	39K	5%	1/4W	
R546	1-249-434-11	CARBON	27K	5%	1/4W	
R547	1-247-849-00	CARBON	5.6K	5%	1/4W	
R548	1-216-350-11	METAL OXIDE	1.2	5%	1W	F
R549	1-215-890-11	METAL OXIDE	470	5%	2W	F
R550	1-249-440-11	CARBON	82K	5%	1/4W	
R551	1-249-749-00	CARBON	2.2M	5%	1/4W	
R552	1-218-026-51	METAL OXIDE	1.2K	5%	1W	
R553	1-218-025-51	METAL OXIDE	1K	5%	1W	
R554	1-249-411-11	CARBON	330	5%	1/4W	
R555	1-249-749-00	CARBON	2.2M	5%	1/4W	
R556	1-249-405-11	CARBON	100	5%	1/4W	
R557	1-249-425-11	CARBON	4.7K	5%	1/4W	
R558	1-247-895-00	CARBON	470K	5%	1/4W	
R559	1-249-427-11	CARBON	6.8K	5%	1/4W	
R560	1-249-411-11	CARBON	330	5%	1/4W	
R591	1-249-427-11	CARBON	6.8K	5%	1/4W	
R592	1-249-429-11	CARBON	10K	5%	1/4W	
R593	1-249-429-11	CARBON	10K	5%	1/4W	
R594	1-249-424-11	CARBON	3.9K	5%	1/4W	
R595	1-249-417-11	CARBON	1K	5%	1/4W	
R596	1-249-425-11	CARBON	4.7K	5%	1/4W	
R597	1-249-425-11	CARBON	4.7K	5%	1/4W	
R598	1-249-405-11	CARBON	100	5%	1/4W	
R599	1-249-405-11	CARBON	100	5%	1/4W	
R602	1-215-901-00	METAL OXIDE	33K	5%	2W	F
R603	1-216-359-00	METAL OXIDE	6.8	5%	1W	F
R604	1-249-414-11	CARBON	560	5%	1/4W	
R605	1-215-469-00	METAL	100K	1%	1/6W	
R606	1-215-440-00	CARBON	6.2K	5%	1/4W	
R607	1-249-434-11	CARBON	27K	5%	1/4W	
R608	1-215-901-00	METAL OXIDE	33K	5%	2W	F
R609	1-249-401-11	CARBON	47	5%	1/4W	
R610	1-249-385-11	CARBON	2.2	5%	1/4W	F
R611	1-249-385-11	CARBON	2.2	5%	1/4W	F
R612	1-217-193-00	WIREWOUND	0.27	10%	2W	F
R613	1-249-401-11	CARBON	47	5%	1/4W	
R614	1-205-919-11	CEMENTED	220	10%	10W	F
R616	1-249-417-11	CARBON	1K	5%	1/4W	
R617	1-249-411-11	CARBON	330	5%	1/4W	
R618	1-218-022-51	METAL OXIDE	560	5%	1W	
R619	1-249-429-11	CARBON	10K	5%	1/4W	
R620	1-249-433-11	CARBON	22K	5%	1/4W	
R621	1-249-431-11	CARBON	15K	5%	1/4W	
R622	1-249-429-11	CARBON	10K	5%	1/4W	
R623	1-249-377-11	CARBON	0.47	5%	1/4W	F
R624	1-249-411-11	CARBON	330	5%	1/4W	
R625	1-218-017-51	METAL OXIDE	220	5%	1W	
R626	1-249-411-11	CARBON	330	5%	1/4W	
R627	1-218-019-51	METAL OXIDE	330	5%	1W	
R628	1-249-393-11	CARBON	10	5%	1/4W	
R629	1-249-411-11	CARBON	330	5%	1/4W	
R630	1-249-437-11	CARBON	47K	5%	1/4W	
R633	1-249-405-11	CARBON	100	5%	1/4W	
R634	1-218-020-51	METAL OXIDE	390	5%	1W	
R635	1-249-429-11	CARBON	10K	5%	1/4W	
R636	1-249-429-11	CARBON	10K	5%	1/4W	
R642	1-216-343-00	METAL OXIDE	0.33	5%	1W	F
R643	1-217-192-21	WIREWOUND	0.22	10%	2W	F
R647	1-216-485-11	METAL OXIDE	5.6K	5%	3W	F
R648	1-216-485-11	METAL OXIDE	5.6K	5%	3W	F
R650	1-249-417-11	CARBON	1K	5%	1/4W	
R651	1-249-405-11	CARBON	100	5%	1/4W	
R652	1-215-493-00	CARBON	1M	5%	1/4W	
R802	1-249-443-11	CARBON	0.47	5%	1/4W	F
R805	1-249-448-11	CARBON	1.2	5%	1/4W	F
R806	1-249-439-11	CARBON	68K	5%	1/4W	
R807	1-218-025-51	METAL OXIDE	1K	5%	1W	
R809	1-202-821-11	SOLID	1.8K	10%	1/2W	
R810	1-202-818-00	SOLID	1K	10%	1/2W	
R811	1-218-013-51	METAL OXIDE	100	5%	1W	
R812	1-244-917-00	CARBON	68K	5%	1/2W	
R815	1-215-884-11	METAL OXIDE	47	5%	2W	F
R816	1-218-023-51	METAL OXIDE	680	5%	1W	
R817	1-249-417-11	CARBON	1K	5%	1/4W	
R820	1-249-403-11	CARBON	68	5%	1/4W	
R821	1-247-725-11	CARBON	10K	5%	1/4W	F
R822	1-217-778-11	FUSIBLE	1K	5%	1W	F
R825	1-216-349-00	METAL OXIDE	1	5%	1W	F
R826	1-249-441-11	CARBON	100K	5%	1/4W	
R827	1-249-429-11	CARBON	10K	5%	1/4W	
R828	1-249-423-11	CARBON	3.3K	5%	1/4W	
R829	1-249-418-11	CARBON	1.2K	5%	1/4W	
R830	1-249-429-11	CARBON	10K	5%	1/4W	
R1001	1-249-421-11	CARBON	2.2K	5%	1/4W	
R5501	1-249-429-11	CARBON	10K	5%	1/4W	
R5502	1-249-417-11	CARBON	1K	5%	1/4W	
R5503	1-249-389-11	CARBON	4.7	5%	1/4W	
R5504	1-215-493-00	CARBON	1M	5%	1/4W	

D V

Ref.No.	Part No.	Description	Remark
		VARIABLE RESISTOR	
RV501	1-228-991-00	RES, ADJ, CARBON 2.2K	
RV502	1-230-630-11	RES, ADJ, CARBON 10K	
RV601	1-228-990-00	RES, ADJ, CARBON 1K	
		SPARK GAP	
SG801	1-519-063-XX	DISCHARGING GAP	
		TRANSFORMER	
T601	⚠ 1-448-961-11	S.R.T	
T602	⚠ 1-424-011-11	TRANSFORMER, PULSE	
T801	1-437-090-00	HDT	

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	*A-1347-014-A	V BOARD, COMPLETE (KV-21XMTC ONLY)	
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		CAPACITOR	
C01	1-126-101-11	ELECT 100MF 20% 16V	
C02	1-124-120-11	ELECT 220MF 20% 16V	
C03	1-124-119-00	ELECT 330MF 20% 16V	
C04	1-124-477-11	ELECT 47MF 20% 16V	
C05	1-126-101-11	ELECT 100MF 20% 16V	
C06	1-124-120-11	ELECT 220MF 20% 16V	
C07	1-124-499-11	ELECT 1MF 20% 50V	
C08	1-102-951-00	CERAMIC 15PF 5% 50V	
C09	1-102-074-00	CERAMIC 0.001MF 10% 50V	
C10	1-102-824-00	CERAMIC 470PF 5% 50V	
C11	1-110-182-81	MYLAR 0.022MF 10% 250V	
C12	1-102-980-00	CERAMIC 270PF 5% 50V	
C13	1-102-973-00	CERAMIC 100PF 5% 50V	
C14	1-102-951-00	CERAMIC 15PF 5% 50V	
C15	1-102-961-00	CERAMIC 27PF 5% 50V	
C16	1-110-190-81	MYLAR 0.01MF 10% 400V	
C17	1-110-171-81	MYLAR 0.047MF 10% 100V	
C18	1-102-953-00	CERAMIC 18PF 5% 50V	
C19	1-110-171-81	MYLAR 0.047MF 10% 100V	
C20	1-102-978-00	CERAMIC 220PF 5% 50V	
C21	1-110-173-81	MYLAR 0.068MF 10% 100V	
C24	1-126-101-11	ELECT 100MF 20% 16V	
C25	1-124-477-11	ELECT 47MF 20% 16V	
C27	1-102-820-00	CERAMIC 330PF 5% 50V	
C28	1-102-116-00	CERAMIC 680PF 10% 50V	
C29	1-124-927-11	ELECT 4.7MF 20% 50V	
C51	1-110-175-81	MYLAR 0.1MF 10% 100V	
C52	1-110-175-81	MYLAR 0.1MF 10% 100V	
C53	1-110-175-81	MYLAR 0.1MF 10% 100V	
C54	1-110-175-81	MYLAR 0.1MF 10% 100V	
C55	1-110-175-81	MYLAR 0.1MF 10% 100V	
C56	1-110-175-81	MYLAR 0.1MF 10% 100V	
C57	1-102-074-00	CERAMIC 0.001MF 10% 50V	
C58	1-102-074-00	CERAMIC 0.001MF 10% 50V	
C59	1-102-074-00	CERAMIC 0.001MF 10% 50V	
		TRIMMER	
CT01	1-141-181-11	CAP, TRIMMER	
		DIODE	
D01	8-719-109-89	DIODE RD5.6ES-B2	
D02	8-719-110-36	DIODE RD13ES-B2	
D03	8-719-971-19	DIODE 1SS119	
D04	8-719-109-69	DIODE RD3.6ES-B2	
D07	8-719-109-96	DIODE RD6.8ES-B1	
D08	8-719-109-96	DIODE RD6.8ES-B1	
		IC	
IC01	8-759-942-54	IC MAB8461P-W083	
IC02	8-759-946-85	IC SAA5243E	
IC03	8-759-946-85	IC SAA5243E	
IC04	8-759-113-01	IC UPD4364CX-15L	
		COIL	
L01	1-408-411-00	MICRO INDUCTOR 15UH	
L02	1-410-468-11	MICRO INDUCTOR 6.8UH	
L03	1-410-468-11	MICRO INDUCTOR 6.8UH	
L04	1-410-468-11	MICRO INDUCTOR 6.8UH	
L05	1-410-468-11	MICRO INDUCTOR 6.8UH	
L06	1-410-468-11	MICRO INDUCTOR 6.8UH	
		TRANSISTOR	
Q01	8-729-904-27	TRANSISTOR 2SD1761-E	
Q02	8-729-177-43	TRANSISTOR 2SD774	
Q03	8-729-900-80	TRANSISTOR DTC114ES	
Q04	8-729-178-54	TRANSISTOR 2SC2785	
Q05	8-729-177-43	TRANSISTOR 2SD774	
Q06	8-729-178-54	TRANSISTOR 2SC2785	
Q07	8-729-178-54	TRANSISTOR 2SC2785	
Q09	8-729-117-54	TRANSISTOR 2SA1175	
Q10	8-729-117-54	TRANSISTOR 2SA1175	
Q11	8-729-117-54	TRANSISTOR 2SA1175	
		RESISTOR	
R01	1-218-021-51	METAL OXIDE 470 5% 1W	
R02	1-249-425-11	CARBON 4.7K 5% 1/4W	
R04	1-218-021-51	METAL OXIDE 470 5% 1W	
R05	1-215-128-00	METAL 100 5% 1/4W	
R06	1-249-417-11	CARBON 1K 5% 1/4W	
R07	1-249-405-11	CARBON 100 5% 1/4W	
R08	1-249-411-11	CARBON 330 5% 1/4W	
R09	1-249-438-11	CARBON 56K 5% 1/4W	
R13	1-249-405-11	CARBON 100 5% 1/4W	
R14	1-249-405-11	CARBON 100 5% 1/4W	
R15	1-215-493-00	CARBON 1M 5% 1/4W	
R16	1-249-420-11	CARBON 1.8K 5% 1/4W	

V J1

Ref.No.	Part No.	Description				Remark
R17	1-249-417-11	CARBON	1K	5%	1/4W	
R18	1-249-425-11	CARBON	4.7K	5%	1/4W	
R19	1-249-411-11	CARBON	330	5%	1/4W	
R20	1-215-146-00	METAL	560	5%	1/4W	
R27	1-249-399-11	CARBON	33	5%	1/4W	
R28	1-249-399-11	CARBON	33	5%	1/4W	
R29	1-249-399-11	CARBON	33	5%	1/4W	
R30	1-215-130-00	METAL	120	5%	1/4W	
R31	1-215-130-00	METAL	120	5%	1/4W	
R32	1-215-130-00	METAL	120	5%	1/4W	
R33	1-249-404-00	CARBON	82	5%	1/4W	
R34	1-249-417-11	CARBON	1K	5%	1/4W	
R37	1-249-405-11	CARBON	100	5%	1/4W	
R38	1-249-416-11	CARBON	820	5%	1/4W	
R40	1-249-425-11	CARBON	4.7K	5%	1/4W	
R41	1-249-413-11	CARBON	470	5%	1/4W	
R43	1-249-425-11	CARBON	4.7K	5%	1/4W	
R44	1-249-413-11	CARBON	470	5%	1/4W	
R45	1-215-152-00	METAL	1K	5%	1/4W	
R46	1-247-779-00	CARBON	6.8	5%	1/6W	

VARIABLE RESISTOR

RV01	1-230-624-51	RES, ADJ, CARBON 220

CONNECTOR

V1	*1-560-123-00	PLUG, CONNECTOR (2.5MM) 3P
V2	*1-560-125-00	PLUG, CONNECTOR (2.5MM) 5P
V3	*1-560-126-00	PLUG, CONNECTOR (2.5MM) 6P
V4	*1-560-123-00	PLUG, CONNECTOR (2.5MM PITCH)
V5	*1-560-290-00	PLUG, CONNECTOR (2.5MM PITCH)
V6	*1-508-784-00	1P PLUG

CRYSTAL

X01	1-567-162-00	OSCILLATOR, CRYSTAL
X02	1-567-495-11	OSCILLATOR, CRYSTAL
X03	1-567-686-11	OSCILLATOR, CERAMIC

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*A-1371-318-A J1 BOARD, COMPLETE
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CAPACITOR

C1407	1-124-477-11	ELECT	47MF	20%	16V
C1415	1-124-902-00	ELECT	0.47MF	20%	50V
C1416	1-124-902-00	ELECT	0.47MF	20%	50V
C1418	1-102-112-00	CERAMIC	330PF	10%	50V
C1419	1-102-112-00	CERAMIC	330PF	10%	50V
C1427	1-101-003-00	CERAMIC	0.0047MF		50V
C1428	1-101-003-00	CERAMIC	0.0047MF		50V
C1431	1-124-655-11	ELECT	0.47MF	20%	50V
C1432	1-124-902-00	ELECT	0.47MF	20%	50V
C1433	1-126-101-11	ELECT	100MF	20%	16V

Ref.No.	Part No.	Description				Remark
C1501	1-123-875-11	ELECT	10MF	20%	50V	
C1502	1-123-875-11	ELECT	10MF	20%	50V	
C1503	1-108-614-91	MYLAR	0.001MF	10%	100V	
C1504	1-124-910-11	ELECT	47MF	20%	50V	
C1505	1-110-171-81	MYLAR	0.047MF	10%	100V	
C1507	1-108-620-91	MYLAR	0.0033MF	10%	100V	
C1508	1-123-875-11	ELECT	10MF	20%	50V	
C1509	1-124-499-11	ELECT	1MF	20%	50V	
C1511	1-123-875-11	ELECT	10MF	20%	50V	
C1512	1-110-188-81	MYLAR	0.0068MF	10%	400V	
C1513	1-102-963-00	CERAMIC	33PF	5%	50V	

CONNECTOR

CN1402	1-561-534-41	SOCKET 21P
CNJ41	*1-566-641-11	CONNECTOR, HINGE (TAB) 18P
CNJ51	*1-566-641-11	CONNECTOR, HINGE (TAB) 18P
CNJ67	*1-560-721-21	PLUG, CONNECTOR 2P

DIODE

D1407	8-719-110-18	DIODE RD10ES-B3
D1409	8-719-110-14	DIODE RD9.1ES-B3
D1419	8-719-110-04	DIODE RD7.5ES-B3
D1501	8-719-911-19	DIODE 1SS119
D1502	8-719-911-19	DIODE 1SS119
D1503	8-719-911-19	DIODE 1SS119
D1504	8-719-911-19	DIODE 1SS119
D1505	8-719-000-12	DIODE MC931

IC

IC1402	8-759-946-32	IC TEA2014A
IC1501	8-759-942-16	IC TEA2031A

RESISTOR

R1417	1-249-404-00	CARBON	82	5%	1/4W	
R1423	1-247-849-00	CARBON	5.6K	5%	1/4W	
R1424	1-247-849-00	CARBON	5.6K	5%	1/4W	
R1428	1-247-895-00	CARBON	470K	5%	1/4W	
R1429	1-247-895-00	CARBON	470K	5%	1/4W	
R1430	1-249-404-00	CARBON	82	5%	1/4W	
R1433	1-249-409-11	CARBON	220	5%	1/4W	
R1434	1-249-393-11	CARBON	10	5%	1/4W	F
R1437	1-249-429-11	CARBON	10K	5%	1/4W	
R1440	1-249-416-11	CARBON	820	5%	1/4W	
R1441	1-249-416-11	CARBON	820	5%	1/4W	
R1442	1-249-437-11	CARBON	47K	5%	1/4W	
R1443	1-249-437-11	CARBON	47K	5%	1/4W	
R1449	1-249-405-11	CARBON	100	5%	1/4W	
R1501	1-249-433-11	CARBON	22K	5%	1/4W	
R1502	1-249-434-11	CARBON	27K	5%	1/4W	
R1503	1-247-895-00	CARBON	470K	5%	1/4W	
R1504	1-249-435-11	CARBON	33K	5%	1/4W	
R1505	1-249-433-11	CARBON	22K	5%	1/4W	
R1506	1-247-895-00	CARBON	470K	5%	1/4W	

MISCELLANEOUS
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⚠1-451-295-41	DEFLECTION YOKE (SY-153E)	
1-452-032-00	MAGNET, DISK; 10MM ø	
1-452-094-00	MAGNET, ROTATABLE DISK; 15MM ø	
1-452-277-00	MAGNET, BMC	
1-503-829-12	SPEAKER	
⚠1-559-346-11	CORD, POWER (WITH CONNECTOR)	
L901 ⚠1-426-326-11	COIL, DEMAGNETIZATION	
T802 ⚠1-439-416-11	TRANSFORMER ASSY, FLYBACK	
V901 ⚠8-738-753-05	PICTURE TUBE (A51JUH60X)	

J1 H KM

Ref.No.	Part No.	Description				Remark
R1509	1-247-887-00	CARBON	220K	5%	1/4W	
R1510	1-247-849-00	CARBON	5.6K	5%	1/4W	
R1511	1-249-417-11	CARBON	1K	5%	1/4W	
R1512	1-249-429-11	CARBON	10K	5%	1/4W	
R1513	1-249-438-11	CARBON	56K	5%	1/4W	
R1514	1-249-417-11	CARBON	1K	5%	1/4W	
R1516	1-249-432-11	CARBON	18K	5%	1/4W	
R1517	1-249-411-11	CARBON	330	5%	1/4W	
R1518	1-249-429-11	CARBON	10K	5%	1/4W	
R1519	1-247-883-00	CARBON	150K	5%	1/4W	
R1520	1-247-895-00	CARBON	470K	5%	1/4W	
R1556	1-247-849-00	CARBON	5.6K	5%	1/4W	

VARIABLE RESISTOR

RV1501	1-228-999-00	RES, ADJ, CARBON 470K
RV1502	1-228-994-00	RES, ADJ, CARBON 10K
RV1503	1-228-995-00	RES, ADJ, CARBON 22K
RV1504	1-228-990-00	RES, ADJ, CARBON 1K
RV1505	1-228-999-00	RES, ADJ, CARBON 470K
RV1506	1-228-995-00	RES, ADJ, CARBON 22K
RV1507	1-230-504-11	RES, ADJ, CARBON 220
RV1508	1-228-994-00	RES, ADJ, CARBON 10K
RV1509	1-228-999-00	RES, ADJ, CARBON 470K

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*1-622-535-11 H BOARD
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CONNECTOR

CNH01	*1-564-884-11	PLUG, CONNECTOR 7P
CNH02	*1-564-886-11	PLUG, CONNECTOR 9P
CNH24	*1-564-880-31	PLUG, CONNECTOR 3P
CNH25	*1-564-880-31	PLUG, CONNECTOR 3P
CNH62	*1-506-348-XX	4P PLUG

DIODE

D1401	8-719-800-94	DIODE TLUR144
	*4-377-038-01	HOLDER (E), LED; D1401
D1402	8-719-812-41	DIODE TLR124
	*4-380-621-01	HOLDER (B), LED; D1402

IC

IC1401	8-741-139-80	IC BX1398

JACK

J1401	1-507-806-00	JACK

RESISTOR

R1401	1-249-417-11	CARBON	1K	5%	1/4W	
R1402	1-249-417-11	CARBON	1K	5%	1/4W	

ACCESSORIES AND PACKING MATERIALS
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Part No.	Description	Remark
A-1470-801-A	COMMANDER ASSY (RM-671)(KV-21XMC ONLY)	
A-1470-806-A	COMMANDER ASSY (RM-672)(KV-21XMTC ONLY)	
*4-377-015-01	BAG, PROTECTION	
*4-386-601-01	CUSHION (LOWER) (ASSY)	
*4-386-602-01	CUSHION (UPPER) (ASSY)	
*4-386-603-01	INDIVIDUAL CARTON	
4-482-425-61	MANUAL, INSTRUCTION	

Ref.No.	Part No.	Description				Remark

SWITCH

S1401	⚠1-554-762-51	SWITCH, PUSH (AC POWER)(1 KEY)				
S1402	1-571-085-11	SWITCH, TACTICLE				
S1403	1-571-085-11	SWITCH, TACTICLE				
S1404	1-571-085-11	SWITCH, TACTICLE				
S1405	1-571-085-11	SWITCH, TACTICLE				
S1406	1-571-085-11	SWITCH, TACTICLE				
S1407	1-571-085-11	SWITCH, TACTICLE				
S1408	1-571-085-11	SWITCH, TACTICLE				
S1409	1-571-085-11	SWITCH, TACTICLE				
S1410	1-571-085-11	SWITCH, TACTICLE				
S1411	1-571-085-11	SWITCH, TACTICLE				
S1412	1-571-085-11	SWITCH, TACTICLE				
S1414	1-571-085-11	SWITCH, TACTICLE				

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*1-622-536-11 KM BOARD
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CAPACITOR

C201	1-124-499-11	ELECT	1MF	20%	50V
C202	1-110-186-81	MYLAR	0.0047MF	10%	400V
C204	1-123-875-11	ELECT	10MF	20%	50V
C205	1-124-910-11	ELECT	47MF	20%	50V
C206	1-124-480-11	ELECT	470MF	20%	25V
C207	1-110-175-81	MYLAR	0.1MF	10%	100V
C208	1-124-480-11	ELECT	470MF	20%	25V
C209	1-124-120-11	ELECT	220MF	20%	16V
C210	1-124-480-11	ELECT	470MF	20%	25V
C211	1-123-875-11	ELECT	10MF	20%	50V
C213	1-124-499-11	ELECT	1MF	20%	50V
C214	1-126-101-11	ELECT	100MF	20%	16V
C215	1-124-499-11	ELECT	1MF	20%	50V
C216	1-124-499-11	ELECT	1MF	20%	50V
C217	1-102-112-00	CERAMIC	330PF	10%	50V
C218	1-102-112-00	CERAMIC	330PF	10%	50V

CONNECTOR

CNK21	*1-562-370-21	CONNECTOR, BOARD TO BOARD 18P
CNK25	*1-564-880-31	PLUG, CONNECTOR 3P

DIODE

D201	8-719-110-14	DIODE RD9.1ES-B3

IC

IC201	8-759-101-77	IC UPC1241H
IC202	8-759-944-58	IC TDA8196

TRANSISTOR

Q201	8-729-178-54	TRANSISTOR 2SC2785
Q202	8-729-103-43	TRANSISTOR 2SB734
Q203	8-729-178-54	TRANSISTOR 2SC2785

RESISTOR

R201	1-249-421-11	CARBON	2.2K	5%	1/4W	
R202	1-249-417-11	CARBON	1K	5%	1/4W	
R203	1-249-385-11	CARBON	2.2	5%	1/4W	F
R204	1-249-423-11	CARBON	3.3K	5%	1/4W	
R205	1-249-429-11	CARBON	10K	5%	1/4W	
R206	1-216-431-11	METAL OXIDE	560	5%	1W	F
R207	1-249-429-11	CARBON	10K	5%	1/4W	
R208	1-249-437-11	CARBON	47K	5%	1/4W	
R209	1-249-417-11	CARBON	1K	5%	1/4W	
R210	1-249-417-11	CARBON	1K	5%	1/4W	
R211	1-249-417-11	CARBON	1K	5%	1/4W	
R214	1-249-413-11	CARBON	470	5%	1/4W	
R216	1-249-435-11	CARBON	33K	5%	1/4W	
R217	1-249-441-11	CARBON	100K	5%	1/4W	
R218	1-247-887-00	CARBON	220K	5%	1/4W	